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Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 145 No. 17 — Schnell Publishing Company, Inc., Publishers — April 24, 1944

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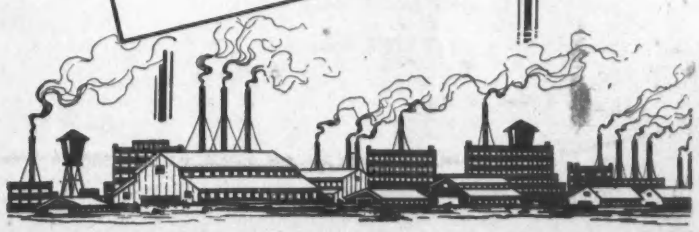

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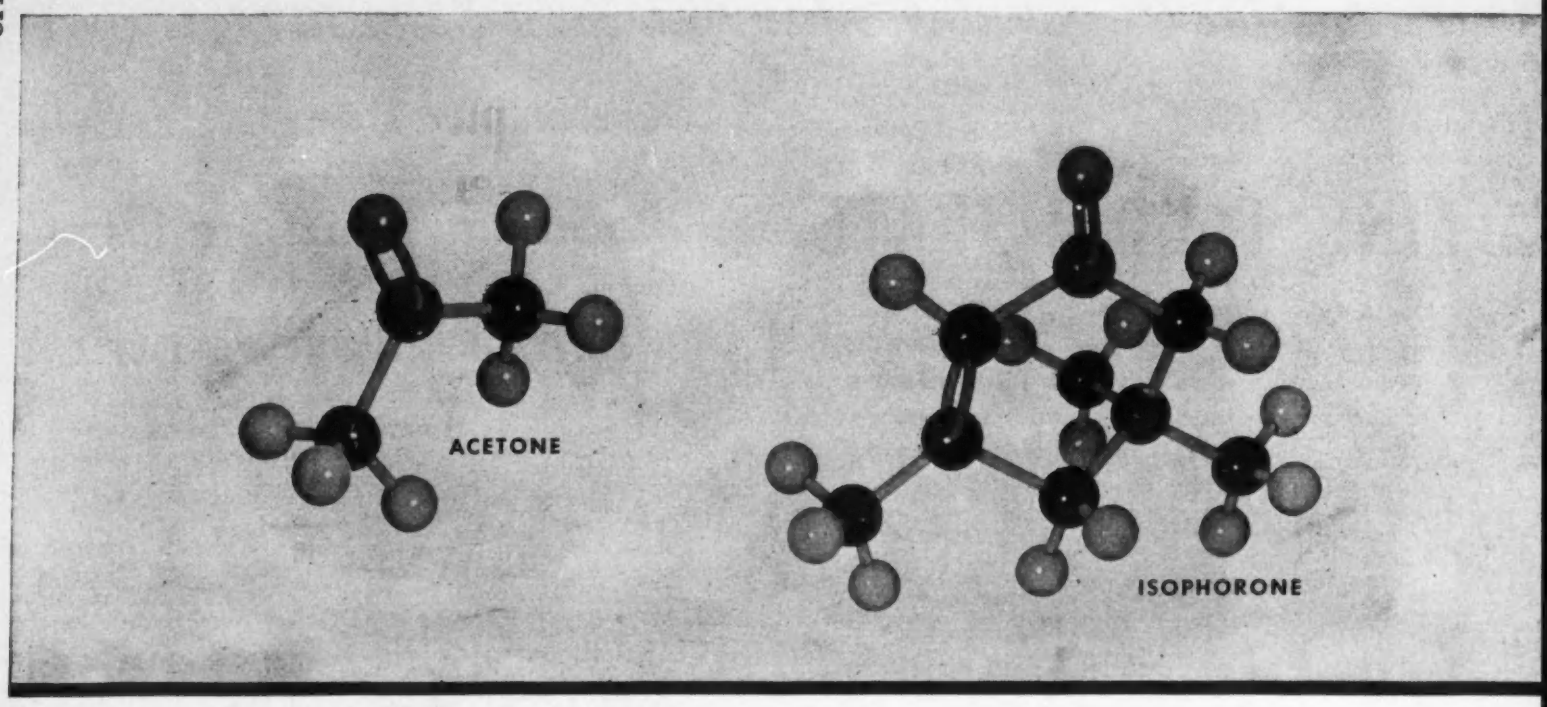

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The growth of the Ketones is directly linked to the success story of vinyl resin coatings. Ketones are superior solvents for Vinylite resins and other new resins, the cellulose esters and ethers, and many substances soluble with difficulty in other solvents. Consequently they are used in the manufacture of cordite, photographic film, artificial leather, protective coatings, acetate rayon, pyroxylin, and methacrylate plastics.

Ketone solvents are also used in extracting pharmaceuticals, stripping dyestuffs from fabrics, coagulating rubber latex, and dewaxing lubricating oils and natural gums. Ketones have further application as stepping-stones in the synthesis of industrially important resins, dyes, plasticizers, insecticides, inhibitors, rubber chemicals, and flotation agents.

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS

No. 17 | April 24, 1944 | Volume 145

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World Oil Policy Of U. S. Taking Shape

OPD Washington Bureau

Initial steps towards formulation of a national policy by the United States government in the exploitation of world oil supplies were taken this week when the first of a series of conferences were started between the State Department and representatives of the British government and a special committee of the senate began studies of the international oil situation.

As the negotiations with the British group began, the American industry won its first skirmish for a strong national policy in the government on foreign oil by succeeding in its demands that it be represented by industry members in the conference. It was announced by the State Department April 19 that three representatives of the industry, members of a ten-man consultant group of the industry, would sit as advisers with the government experts, and others would be called in as advisers as specific problems arose in which they were interested.

The three advisers are:—John A. Brown of Socony-Vacuum, W. H. Rogers of Texas Company, and A. Jacobsen of Amerada Petroleum. Other members of the consultant and advisory group are Orville Hardin of Standard Oil of New Jersey; William R. Boyd, jr., chairman of the Petro-

—Continued on page 63

Antitrust Decisions to Be Speeded by House Bill

Legislation authorizing the Supreme Court of the United States to send cases to the circuit courts of appeals for final decision which have been appealed to it directly from the district courts but can not be heard by the supreme court because of a lack of a quorum of qualified justices was passed by the House April 17.

The bill, H.R. 3054, is an amendment to the so-called "expediting act," passed by Congress several years ago to speed final decisions in cases in which the United States is a party, is aimed primarily at bringing about a final decision in the antitrust case of the government against the Aluminum Company of America. The appeal from the decision of the district court was made to the supreme court by the government more than two years ago but the supreme court has been unable to hear the case because so many of the justices disqualified themselves that a quorum was not available.

Under the terms of the bill, such cases as this would be sent by the supreme court to the circuit court of appeals having jurisdiction over the district in which the suit was originally brought. The senior circuit judge qualified to hear the case would then appoint two other circuit judges and the three of them would pass judgment on the appeal. Their decision would be final and no further appeal from the decision could be made.

Lend-Lease Extension Voted by House

By a vote of 324 to 21, the house voted April 19 to extend the powers of the President to make lend-lease agreements for another year after June 20, when the current authorization expires. The bill, H.R. 4254, now goes to the senate for concurrent approval.

In the form passed the bill amends the existing law to restrict the President in making commitments on postwar economic, military or international policies to the limits of the constitution. The effect of the amendment is to provide congress with a checkrein on the President's actions by making them subject to review by congress preliminary to their conclusion and settlement.

Sulphuric Plant Offered by WPB

OPD Washington Bureau

The Chemicals Bureau of the War Production Board is seeking an operator for the idle sulphuric acid plant at the Gopher Ordnance Works, near St. Paul, Minn. Interested firms or individuals have until April 29 to file with the bureau proposals for the operation of the sulphuric acid facilities and construction of a superphosphate plant capable of utilizing the capacity of the sulphuric acid plant.

Applicants will be required to furnish information on proposed method of financing, past experience, the rental they would be willing to pay, plans for expansion in the agricultural fertilizer field, time which would be required to get into operation and the number of workers to be employed. Further information may be obtained from the Inorganics Branch, Chemicals Bureau, War Production Board, Washington, D. C.

Freight Rate Increase May Be Postponed Again

OPD Washington Bureau

Class I railroads were ordered by the Interstate Commerce Commission April 17 to show cause by May 8 why the ICC should not continue the suspension of the proposed increase in freight rates for another period of six months after June 30.

The railroads were authorized in 1942 by the commission to increase their freight rates six percent, but before the increases became effective the commission suspended them on petition of the OPA and the Director of War Mobilization, and continued the suspension for six months last January.

Small Business Problems Hearings Start April 25

OPD Washington Bureau

Senators Tom Stewart, of Tennessee, and Kenneth S. Wherry, of Nebraska, constituting a subcommittee of the senate committee on small business, announced that starting April 25 a series of open hearings will be held on the vexing problems facing small businessmen as a result of cutbacks and changing requirements in war procurement contracts.

Gov't Surplus Property Disposal Views Given by Biddle

OPD Washington Bureau

Clarifying amendments to legislation pending before the senate committee on military affairs (S. 1730 and S. 1823) for termination of government contracts and for disposal of surplus government property to make certain that free competition prevails in the sale of such properties were urged by Attorney General Francis L. Biddle before the committee April 18.

Mr. Biddle took issue with language of the bills providing that no sales shall be made except through "established" or "regular" trade channels. He said that while everyone agrees that sales of surplus property to speculators should be avoided, but the construction to be placed on these provisions is that sales could be made only to firms already established in the business of selling particular products, or to a particular class of distributors, such as wholesalers.

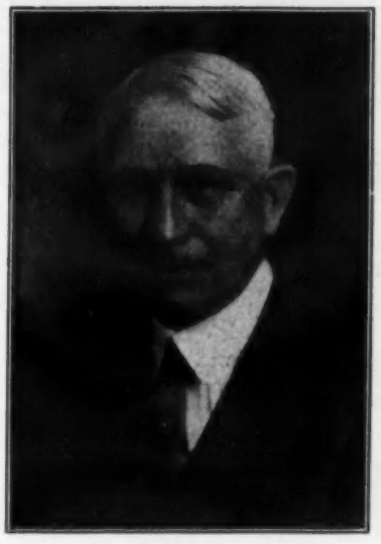
The difficulty, he stated, is that in some industries trade channels are frozen by private agreement for the purpose of maintaining artificial prices. As an alternative, he suggested that any concern that wishes to perform an ordinary trade function should be permitted to bid on sale of property.

As an alternative he proposed that the declared policy be that surplus property should be sold or otherwise disposed of expeditiously but on such terms that the government will realize "a fair return." In arriving at a "fair return" the administrator would take into account not only the original cost but also the present condition of the property and the use that can be made of it. This test would prevent im-

—Continued on page 37

Landis Analyzes Postwar Planning

The physical aspects of postwar reconversion in business will be less difficult than those which have a large psychological factor, such as morale and discipline, according to Dr. Walter



Dr. Walter S. Landis

S. Landis, vice-president of the American Cyanamid Company, in an address on "Sense and Nonsense in Postwar Planning," before the Columbia Engineering Schools Alumni Association April 20.

Elaborating on his concepts of problems in postwar planning, Dr. Landis said:—

Very few people grasp the significance of the change in morale incident to the cataclysm of war. Boards of directors no longer use their ordinary knowledge and experience of the conduct of business in determining programs. The ordinary laws of ecocnomics have been warped and twisted and suppressed and replaced by arbitrary rulings until they do not have the free play that once

—Continued on page 37

War Contracts Ending Bill Voted by House

OPD Washington Bureau

The house committee on naval affairs voted its approval April 18 to a bill (H. R. 4469) setting up the machinery for termination of war contracts. The bill, which went to the floor of the house by a vote of 19 to 2 of the committee, is similar in many respects to one reported by the house committee on military affairs with one notable exception. The naval committee bill gives the Comptroller General the right of review of settlements only in cases of fraud or carelessness while the plan of the military committee gives him auditing powers at all times.

Sponsored by Representative Carl Vinson of Georgia, chairman, the naval committee bill creates a committee or war agency heads to lay down policies and handle contract terminations and provides for establishment of review and appeals boards within the jurisdiction of the committee. A contractor would be paid, as soon as possible, 100 percent of the amount due on completed items, and 90 percent on unfinished work, exclusive of profit. Any overpayments would make a contractor subject to a 12 percent penalty until the government claim is settled.

War Dep't Advised to Train Experts in Technological Skills

OPD Washington Bureau

The Army, Navy, War Manpower Commission and Selective Service have been urged, in a resolution of a 12-man advisory committee appointed by the War Department and headed by Dr. Ray Lyman Wilbur, chancellor of Stanford University, to take immediate steps to train experts in medicine and technological skills to safeguard the future against a shortage of these workers.

Dr. Wilbur said that it is absolutely imperative that these departments unite in plans that will give us at least reasonable security in the future for the general welfare as well as for the armed services and industries. Promising students should not only be selected, but given adequate training in such fields as chemistry, physics, advanced engineering, bacteriology, biology, premedical and predental studies, he stated.

The number of men in technical studies today is one-third below normal and "far below our national needs," Dr. Wilbur said, adding that "We have no idea where future doctors are coming from for the civilian population." He added:—

"It is national folly to overlook these fields, when one scientific discovery, such as radar, may be equal to what a hundred thousand men might do. Whatever the length of the war may be, there will be a long period of chaos and readjustment. Certainly the peace will not be a short peace. We will have to clear up a situation of inevitable chaos in which we will need to use the brains of those experts who are best qualified and who have the best training."

War Contract Rules On Renegotiations Issued

OPD Washington Bureau

A portion of the new renegotiation regulations to govern renegotiation of war contracts for fiscal years ending after June 30, 1943, comprising the introduction and, so far as completed, four of the eight chapters, was released April 18 by the War Contracts Price Adjustment Board. The chapters released are as follows:—Chapter I, dealing with authority and organization for renegotiation; Chapter II, dealing with procedure; Chapter VII, containing certain War Contract Board Forms, and Chapter VIII, comprising statutes, orders, joint regulations and directives. The other four chapters will be released as soon as available—probably within a few weeks.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Apr. 21, 1944	Apr. 14, 1944	Apr. 23, 1943
138.2	138.1	136.0

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Despite a reshuffling of prices which, as to number, was two to one on the down side, the weight of change was sufficient to up the general price average a single point when OPA ceiled the odorant oils of cedarleaf and spruce. With the single exception of casein, the paint material, price changes were in the botanical and essential oil market divisions.

Laboratory Reagents Ruling Made by OPA

OPD Washington Bureau

Manufacture of laboratory reagent specialty solutions containing U. S. tax-paid ethyl alcohol may add to their present ceiling prices the exact amount of the tax in excess of $4 a proof gallon for the alcohol contained in the solution being sold, the Office of Price Administration has announced.

This action, effective April 22, 1944, was taken to correct a condition brought to the attention of OPA by the increased tax on ethyl alcohol which became effective April 1, 1944. Producers of these commercial chemical products, which are solutions of dyes, chemicals or other substances used for scientific and medical research and clinical laboratory uses, are not refunded a "drawback" on taxes paid on ethyl alcohol as are medicinal and drugs manufacturers.

WPB Redistribution Unit Offers Chemicals

The New York and New Jersey regional office of the redistribution unit of the War Production Board has available the following chemicals:—

Ammonia, Aqua:—150,000 pounds; MRS-17-3526.

Barium Chloride:—1,800 pounds; MRS-17-3527.

Copper Naphthenate:—10,750 gallons; MRS-17-3539.

Cuprous Chloride:—4,400 pounds; MRS-17-3540.

Diacetone Alcohol:—400 gallons; MRS-17-3541.

Enamel for Metals:—5,600 gallons; MRS-17-3542.

Enamel Thinner:—212 gallons; MRS-17-3543.

Ester Gum:—890 pounds; MRS-17-3544.

Krumbhaar No. 606:—1,250 pounds; MRS-17-3545.

Lacquer, Clear:—121 gallons; MRS-17-3546.

Linseed Oil, Boiled:—3,400 pounds; MRS-17-3547.

Magnesium Powder:—300 pounds; MRS-17-3548.

Mineral Spirit:—2,000 gallons; MRS-17-3549.

Monosodium Phosphate:—4,300 pounds; MRS-17-3550.

Paraffin Wax:—2,500 pounds; MRS-17-3551.

Petroleum Wax:—1,127 pounds; MRS-17-3552.

Bids Wanted

Benzoic Acid:—650 cartons, Procurement Division, Veterans' Administration, Washington (25); invitation 415, opening April 25.

Chloral Hydrate:—264 1-pound bottles, Procurement Division, Veterans' Administration, Washington (25); invitation 415, opening April 25.

Laboratory Supplies:—Division of Purchase, Sales and Traffic, Department of Agriculture, Washington (25); invitation 585-44, opening April 28.

Molasses, black strap:—600 gallons, Purchasing Agent, District Government, Washington (4); schedule 5428, opening April 24.

Soda, Laundry:—500 1-pound containers, Purchasing Agent, Post Office Department, Washington (25); invitation 41, opening April 26.

Sodium Hexamethaphosphate:—4,000 pounds, Purchasing Agent, Department of the Interior, Bureau of Reclamation, Branch of Fiscal and Administrative Management, Administrative Management Division, Denver, Colo.; invitation J-23, 195-A, opening April 25.

Sodium Hypochlorite:—3,000 gallons, Purchasing Agent, District Government, Washington (4); schedule 5437, opening April 27.

Starch:—103,640 pounds, Procurement Division, Veterans' Administration, Washington (25); invitation 111-S, opening May 2.

Varnishes:—Director, Bureau of Engraving and Printing, Washington; schedule 3, opening June 8.

Rubber Chemists to Meet

A three-day meeting of the division of Rubber Chemistry of the American Chemical Society will be held in the Hotel Commodore, New York, April 26 to 29.

Paint Industry Advisers Ask Drum, Cans Change

Members of the Paint, Varnish and Lacquer Industry Advisory Committee have recommended at a recent meeting that Order M-81, governing cans, be amended to permit the industry to accept delivery and use 40 percent of its annual quota during the second quarter of 1944. The order at present limits the paint industry to 25 percent of its base period quota in the second quarter of this year. The base period quota assigned for paints is 75 percent of 1940 usage. The committee also recommended that order L-197 covering steel shipping drums be amended to place supplies of drums for the paint, varnish and lacquer industry on a quota basis.

Appointment of a sub-committee on industrial finishes, suggested by WPB representatives in order to expedite proceedings of the industry advisory committee, was recommended by the committee. There is no prospect of increases in drying oil quotas for the protective coatings industry in the near future, Government representatives said.

WPB representatives told the committee that an additional supply of titanium pigments would be available after May 1, when the reserve pool being set aside at the rate of 10 percent a month had been built up. There is no additional supply of chrome pigments in prospect, however, the meeting was told. Restrictions of Order M-370, governing chrome pigments, are not expected to be relaxed, and suppliers will probably have to use reserve stocks during the second quarter, WPB representatives said.

Zinc Institute Discusses Supply

The supply position of the zinc industry was discussed in a series of papers at the annual Spring meeting of the American Zinc Institute held in St. Louis April 17 and 18.

M. L. Trilsch, assistant director of the Zinc Division of the War Production Board, in discussing "WPB and the Current Zinc Outlook," said that the supply and requirements of slab zinc for 1944 could be pictured as follows:—New supply, 1,066,907 short tons; requirements, 920,467 short tons; indicated surplus, 146,440 short tons; stock at beginning of period, 155,839 short tons; stock at end of period, 302,279 short tons.

James Douglas, director of the Zinc Division of the War Production Board, discussed "Zinc Mining and WPB"; R. A. Young discussed the development of zinc smelting in the United States since 1940.

Shellac Allocation Unexpectedly Revoked

Revocation of order M-106, under which shellac has been allocated since April 14, 1942, was announced April 21 by the War Production Board. The revocation order is effective April 26.

This action was taken in the face of strong objections of the Shellac Industry Advisory Committee, which, at its last meeting with WPB, said that revocation of the control would be disruptive of the industry.

Officials said that there are ample supplies of lac in the country, and being brought in to meet all requirements, and point out that the amount of shellac that will be released to the trade will be limited, since the alcohol available to shellac producers has been reduced from 100 to 50 percent of their base period use.

Oil Companies Agree To Cross-Licensing

Six oil companies have agreed upon cross-licensing, licensing terms, and patent-royalty rates to be charged American refining plants using their processes to manufacture aviation gasoline and toluene, Petroleum Administrator for War Harold L. Ickes has announced. The companies hold patent rights on fluid catalytic cracking processes (used to make aviation gasoline) and hydrocatalytic reforming processes (used to make aviation gasoline and toluene).

Resigns from U.S.I.

A. J. Wittenberg has resigned as vice-president of the U. S. Industrial Chemicals, Inc., New York, and as director of its Stroock & Wittenberg Division. Mr. Wittenberg joined the U. S. Industrial Chemicals in 1938 when the natural and synthetic resins business of Stroock & Wittenberg firm was acquired, to become a subsidiary of U. S. Industrial Chemicals.

War Contracts Placing Rules Are Revised

OPD Washington Bureau

A revision of procurement regulation No. 2 governing the placing of contracts to bring about a more even distribution of contracts on the basis of available labor supplies was announced April 18 by the War Department.

The most important change in the regulation related to placing of contracts in the Group III labor areas classed by the War Manpower Commission as areas in which a slight labor surplus will remain after six months.

Procurement offices can now place as large a volume of contracts with plants in these areas as is desired, without regard to the expansion of the labor force that might be required to fill the orders. Heretofore the regulations provided that contracts could not be placed in such areas that call for more workers than are normally employed by the contractor.

The other important change dealt primarily with the procedures that are to be adopted in assuring that contracts are placed in Group I areas only with the approval of Area Production Urgency Committees, the first of which was set up last Fall on the West coast and since have been established in ten other areas. Group I areas are those in which an acute labor shortage exists.

Plastic Society to Meet In Chicago May 11-12

Society of the Plastics Institute will hold a meeting at the Edgewater Beach hotel, Chicago, May 11 and 12. The speakers include:—

Russell R. Bradshaw, of the Dow Chemical Company, who will discuss "Polyfibre"; M. S. Moulton, of the B. F. Goodrich Company, will talk on "Geon Resins"; H. B. Slade and H. C. Crafton, of the Okonite Company, will discuss "Polyethylene"; H. B. Gammill, of the Mycalex Corporation, will speak on "Mycalex"; and George W. DeBell will discuss "New Developments in Molding Equipment and Machinery."

WPB Forms Civilian Policy Advisers

Chairman Donald M. Nelson has announced the formation within the War Production Board of the Advisory Committee for Civilian Policy, to aid him in laying down the strategy and policies which will guide the nation's economy through the readjustment and reconversion period.

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N.J. Fair Trade Law Overrides OPA Rule

The New Jersey State Fair Trade Act, under which equitable prices were established for retailers, takes precedence over ceiling established by the Office of Price Administration according to a ruling handed down by the New Jersey Courts of Errors and Appeals in Trenton, N. J., April 14.

Britain to License Stramonium Imports

LONDON, Apr. 21, 1944

Import licenses for stramonium leaves are to be granted. Calamine higher at 1s. 6d. per pound in 28-pound lots. Cape aloe quoted at 79s. per hundredweight.

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Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Imported Drying Oils Prices Set by OPA

OPD Washington Bureau

Maximum prices have been set for coyol oil, chia seed oil and garcia nutans oil, the Office of Price Administration has announced. The schedules become effective April 24. The action is amendment No. 19 to maximum price regulation No. 53.

Coyol oil has been ceiled at 11.10c. per pound. Chia seed oil has been priced at 24c. per pound, f.o.b. Pacific coast ports. Garcia nutans oil has been set at 39c. per pound, in drums, car lots, f.o.b. Pacific coast ports.

Ceiling prices have also been adjusted on other imported oils:—

Rapeseed Oil

Rapeseed oil has been set at 11.50c. per pound, c.i.f. Pacific coast and Gulf ports. This is the same as the price set for the port of New York.

Babassu Oil

Babassu oil price in tankcars shipped f.o.b. Pacific or Gulf coast ports has been established at 11.10c. per pound, which is the same price as at New York.

Castor Oil

Castor oil No. 1 and castor oil No. 3 in tankcars shipped from Pacific coast ports established at 13.50c. per pound for No. 1, and 13.20c. per pound for No. 3 grade.

Cohune, Tucum Oils

Maximum prices for cohune oil, murumuru oil, Ouricuri oil, ucuhuba crude vegetable tallow and tucum oil, f.o.b. Gulf ports have been established at the same levels as at New York.

Sunflower Seed Oil

Maximum price is established for semi-refined sunflower seed oil maximum is 14.05c. per pound, f.o.b. Gulf ports or quarter cent per pound under the New York price.

Oiticica Oil

Liquid oiticica oil price for commercial grade, in tankcars at New York is being marked down from 25c. per pound to 24½c. per pound.

OPA believes that this represents a more normal relationship to the maximum price of 23c. per pound established for this oil in condensed form, in drums, car lots at New York. The same price

—*Continued on page 47*

Argentine Casein Buying Plans Held in Abeyance

OPD Washington Bureau

Plans drawn up late last year for establishment of a joint Anglo-American Commission to purchase casein in Argentina are being held in abeyance pending further developments in the overall supply picture for casein which may be changed materially within a few weeks, it was learned April 20.

Although it is felt in official circles that since there are adequate supplies of casein in Argentina which are being brought into the country through the usual trade channels there is no present need for setting up a public buying agency, there is reason to believe that the situation may be altered so greatly in the near future as to warrant going ahead with the original plans for a joint buying commission.

Officials could not disclose the nature of these developments beyond a statement that military requirements may call for considerable quantities of the material in the near future.

Can Enamel Makers Get AA-2 Rating

OPD Washington Bureau

Can enamel manufacturers have been assigned an automatic preference rating of AA-2 to make it easier for them to procure raw materials for production of certain can enamels, the Chemicals Bureau of the War Production Board has announced. Their prior rating for this purpose had been AA-3.

Bristles to Be Released From Gov't Stockpile

OPD Washington Bureau

Limited quantities of dressed domestic bristles, 2¾ inches to four inches in length, now held in stockpile by the Defense Supplies Corporation, are to be made available for purchase and use by brush manufacturers, the Textile Bureau of the War Production Board has announced.

The attitude of the Department of Justice toward patent monopolies has become rather clear through its actions in recent years. Officials are not opposed to inventors enjoying the exclusive rights to their conceptions, but when these use these rights to fix prices, dictate distribution, and otherwise interfere with interstate commerce, officials and the inventors come to a parting of the ways. So successful has been the campaign carried on in the courts by the department to limit these monopolies that it has become more than a passing concern to the patent lobby.

Now a counter-attack is being launched. Demands are being made of Congress that it make a thorough investigation of the whole patent and copyright situation to determine how complete is the statutory protection now afforded for property and proprietary rights and ownerships in original thoughts and conceptions. The investigation is proposed in a resolution (H. Res. 504) now under study by the house rules committee. The argument is that instead of their rights being more than adequately protected the law is too limited in its protection. A new definition is needed, it is said, to make property rights include original ideas definitely formulated and advance, irrespective of whether they are combined with physical, material, or tangible means of making practical application of such ideas.

DDT Routs Flies

Some remarkable results have been obtained by experimenters with the new insecticide, DDT, in the battle with the common housefly. From tests made by the Department of Agriculture it is possible to visualize homeowners' being almost completely free from the nuisance of houseflies throughout the entire Summer from one application of the material sprayed on screens, walls, and ceilings in the Spring.

At the department's Orlando, Fla., entomology and plant quarantine laboratory where much of the testing is being done, cages treated with DDT at the rate of 100 milligrams per squarfoot of surface remained as deadly to flies as a bazooka is to tanks for as long as 150 days after the application of the spray. In other tests, one spraying of DDT in dairy barns reduced the fly population 95 percent, and the lethal effects of the spray remained for four months.

U. S. Property in Warlands

The Treasury has about got its books set up for the day when the axis will have to pay up for the damages and destruction that has been done to American properties and investments in Europe and the Far East. Secretary Morgenthau figures it will run up in the neighborhood of $3,775,000,000.

The Treasury's recent census of American property abroad shows that the six enemy countries have American holdings of $1,775,000,000, Germany leading the pack—and the world, except for Canada—with $1,290,000,000. Italy has $265,000,000 of American holdings and Japan $90,000,000. For the world as a whole, American individuals and firms hold interests of more than $13,300,000,000 outside the United States. What this consists of in the way of particular lines of business is not disclosed.

The figures on American holdings in enemy hands are interesting from one standpoint. Strangely enough the most of the American holdings in enemy hands, amounting to some $2,000,000,000, are not within the six enemy countries themselves, but in the territory occupied by them. The reason for this is the movement of American capital away from Germany and Italy because of the difficulty of doing business with Hitler and Mussolini when they came into power.

Brazilian Quinine

Brazil has begun manufacture of quinine for the first time. The drug was formerly imported chiefly from the Far East. A ceremony marking the event was held a few weeks ago at the government palace by the directors of the Brazilian Quinine Company, Sao Paulo, at which the first tablets of quinine of domestic production were presented to President Getulio Vargas.

Cultivation of the cinchona from which the quinine was obtained began in Brazil in 1938, when the United States Department of Agriculture presented Brazil with 1,000 seedlings of *Cinchona Ledgeriana*, imported from the Far East—the finest variety in existence. In 1939, Brazil was the recipient of another 1,000 seeds of another variety, *Cinchona Calisaya*, from a United States botanist. Both projects are said to be doing well.

Price Control Fight

Congressional squabbling over renewal of the price-control law is boiling down to a fight with the administration over three proposed changes in the act. The first is to compel OPA to set ceilings that would be profitable to each business concern. The second would take away the exclusive right of the Emergency Court of Appeals to pass on the legality of OPA regulations, so that such challenges can be made in any one of the ninety-three Federal district courts. The third is the old argument that OPA functions be split up so that WFA would dictate prices on foods, WPB on industrial materials, PAW on petroleum, and so on.

In the hearings before the senate and house committees, OPA has made a strong defense of its position that the law be continued without material change. Its primary function is to hold price inflation in check and, it points out, acceptance by Congress of the amendments can have only one effect—a relaxation of controls so that prices can go up. The entire question, it says, whether the cost of living and the cost of war are to be increased is solely up to Congress.

The greatest demand for loosening the reins is found to exist in the house. Officials are not at all confident that they can keep the house from amending the law. Every house member is up for re-election in November and he will vote from the standpoint of the gain politically back home. The greatest hope for checkmating the drive is in the senate where only one-third of members face the polls in November—thus do constituents make cowards of lawmakers.

Latin-American Agriculture

The Inter-American Institute of Agricultural Sciences, set up in Costa Rica a year ago with fund supplied by the Office of Inter-American Affairs, may become a permanent organization. Ten of the American republics, including the United States, have signed a convention to this effect, and the document is now being considered by the senate foreign affairs committee, with the thought of having it ratified by the senate.

The plan of the institute is to function as a research center serving all the American republics. It already has begun work in the improvement of cinchona production, rubber, fibers, tropical fruits, and vegetables, in cooperation with the numerous agricultural experiment stations in Central and South America. Organization work is being done under the direction of Dr. Earl N. Bressman, for many years an associate of Vice-President Wallace.

Winter Vegetables

The advice of the Department of Agriculture to victory gardeners and would-be V. G.'s this year is to plan their food gardens with more emphasis than ever on storage of the crops for next Winter and Spring use. Future ration values of canned vegetables depend entirely on this year's victory gardens, and the drop in ration values last month is no assurance that foods will be plentiful. On the contrary, every indication points to greater shortages than last winter.

Canners already have been ordered

—*Continued on page 41*

Essential Oils Advisers Named for OPA and WFA

OPD Washington Bureau

An advisory committee for the essential oil industry to aid the War Food Administration in problems in the essential oils field was appointed April 20 by the WFA.

The government presiding officer of the committee is A. L. Kalish, chief of the Essential Oils Section of the Special Commodities Branch, Food Distribution Administration, WFA. In addition to serving in an advisory capacity to WFA the committee will also perform a similar function for the OPA. Members of the committee are:—

F. G. Buehler, vice-president of George Lueders & Co., New York; Gerard J. Danco, of Gerard J. Danco, Inc., New York; F. T. Dodge, president of Dodge & Olcott Company, New York; F. W. Heine, of Compagnie Duval, New York; Walter H. Jelly, president of Walter H. Jelly & Co., Inc., Chicago; Dr. H. J. Kohl, president of Norda Essential Oil and Chemical Company, New York; Dr. Eric C. Kunz, president of Givaudan-Delawanna, Inc., New York; Percy C. Magnus, president of Magnus, Mabee & Reynard, Inc., New York; R. R. Webb, treasurer of W. J. Bush & Co., Inc., New York; and H. P. Wesemann, vice-president of Fritzsche Bros., Inc., New York.

Aluminum Sulphate Advisers Are Named

OPD Washington Bureau

The Aluminum Sulphate Manufacturers Industry Advisory Committee has been formed by the War Production Board. J. W. Wizeman, Chemicals Bureau, has been appointed government presiding officer. Members of the committee are:—

A. C. Brumley, of the Activated Alum Corporation, Baltimore; Frank R. Dunn, of Charles Lennig & Co., Philadelphia; J. D. Lowery, American Cyanamid & Chemical Company, New York; R. Rockwell, of the Hercules Powder Company, Wilmington, Del.; Ben P. Steele, of the Pennsylvania Salt Manufacturing Company, Philadelphia; Horace Burrough, of the Monsanto Chemical Company, Everett, Mass.; T. A. Haschke, of the Stauffer Chemical Company, New York; E. A. Orem, of E. I. du Pont de Nemours, Inc., Wilmington, Del.; E. S. Rothrock, of the Consolidated Chemical Industries, Inc., Houston, Texas, and D. I. Trainer, of the General Chemical Company, New York.

Shearling Tanners Advisory Group Formed

Shearling Tanners Industry Advisory Committee has been formed by the War Production Board. F. A. Hayes, Leather and Shoe Division, is the government presiding officer. The members are:—

D. Adler, Seaboard Fur Corporation, New York; J. Citroen, Loyal Fur Manufacturing Company, New York; I. Kestenbaum, Petzold, Ltd., Fur Dressing & Dyeing Corp., Newark, N. J.; Alexander E. Kirschner, Amalgamated Fur Corporation, New York; Arthur Laskin, J. Laskin & Sons Corporation, New York; Stephen Palmer, A. C. Lawrence Leather Company, Peabody, Mass.; Philip Reed, Wonslow Bros. & Smith Co., Boston; and J. A. Workman, Workman & Co., Philadelphia.

Barium Chloride Advisers Appointed

The War Production Board has formed the Barium Chloride Producers Industry Advisory Committee. Victor Boutin, Chemicals Bureau, has been appointed the government presiding officer. Members of the committee are:—

Fred Lester, Chemical Products Corporation, Cartersville, Ga.; K. O. Priddy, Barium Reduction Corporation, South Charleston, W. Va.; and Edward Orem, E. I. duPont de Nemours & Co., Wilmington, Del.

Fiber Shipping Container Order Is Revised

Inventory regulations applicable to new fiber shipping containers have been issued by the War Production Board. Purchasers are directed to cancel or postpone any fiber carton orders that may not be received within inventory limitations. Direction No. 1 to Order L-317 (Fiber Shipping Containers) clarifies regulations that pertain to inventory and excessive ordering.

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Telephone: Lincoln 7121

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Telephone: Main 5139

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Telephone: Cherry 2694

DETROIT
1900 E. Jefferson Ave.
Telephone: Fitzroy 2414

NEW ORLEANS
P. O. Box 1530
Telephone: Uptown 0027

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Telephone: Vanderbilt 6-1600

PHILADELPHIA
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Telephone—Bell: Rittenhouse 5931-32
Keystone: Race 7633

ST. LOUIS
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Telephone: Chestnut 9656

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Telephone: Exbrook 1611

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4000 First Ave., South

SPOKANE, WASH.
Van Waters & Rogers, Inc.
809 Washington Street

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A.D.M.A. Convention Has Full Program

The annual meeting of the American Drug Manufacturers Association, at the Homestead, Hot Springs, Va., will run four days, from May 1 through May 4. It will conform to the customary schedule: the sections will meet the first day, and the general sessions will be held during the forenoons of the three following days. The annual dinner will be held Wednesday evening.

The biological section at its meeting Monday will hear Dr. J. F. Mahoney, director of the Venereal Disease Research Laboratory, United States Marine Hospital, United States Public Health Service, speak on the use of penicillin in the treatment of venereal diseases. His address, which is to be given at the forenoon session, is entitled "Penicillin Therapy in the Venereal Diseases."

The committee on legislation will meet Monday, and will receive a paper by W. W. Woodson of the law firm of Rogers, Woodman & Rogers, Chicago, on the subject of "Trademarks in the Pharmaceutical Industry."

The scientific section is scheduled to receive reports from a number of its subcommittees on highly important projects and also will have as a guest speaker Capt. William W. Hall, United States Navy, who will address the section on "The Past Year in War Medicine." Captain Hall is a member of the research division of the Bureau of Medicine and Surgery of the Navy Department.

The subcommittee on inorganic chemicals and medicinals, of which J. B. Fullerton is chairman, will receive a report on the results of its investigation of chlorobutanol in pharmaceutical preparations. Dr. F. O. Taylor, chairman of the combined contact committee, will report on its work in keeping the official compendia up to date under war conditions and other contact committee activities. The subcommittee on physical tests and standards which last year undertook an investigation in anticipation of developing a series of melting-point reference standards, that would be of substantial value in the routine of checking of equipment and methods used in melting point determinations will hear a progress report from Dr. Joseph Rosin, subcommittee chairman.

Dr. C. W. Gelter, chairman of the subcommittee on pharmacological assays, will bring the scientific section up to date on studies to determine the factor of U.S.P. ergotoxine ethanesulphonate reference standards when compared to recently biologically assayed ergot preparations, by means of the spectrophotometer. The accumulated developments of the year's activities of the subcommittee on vitamins which has been investigating assay methods for the various methods of the B complex will be reported by Dr. A. D. Emmett, chairman.

Dr. Russell Cane, chairman of the subcommittee on botanical drugs, will

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Proprietary Ass'n To Meet May 15-17

Elimination of ethyl alcohol for medicinal, flavoring extract and food purposes from the excise tax list will be discussed by the special committee on alcohol problems of the Proprietary Association at its round-table meeting in connection with the association's sixty-second annual convention at the Hotel Biltmore, New York, May 15-17. Speakers at the meeting and the titles of their papers include:—

"The Curve of Human Repair and Maintenance," by Dr. O. B. Gibbs, director of medical research, Plough, Inc.

"Totaquine, U.S.P. XII—Its History, Composition and Uses," by Dr. Thomas Lewis, technical director, S. B. Penick & Co.

"Progress Report on Research Problems," by Dr. Lloyd W. Hazelton, George Washington University.

"Technical Consideration of Manufacture of Post-War Medicinals," by Dr. Edward C. Merrill, assistant vice-president, United Drug Company.

"The Position of the Proprietary Association to Certain of the New Drugs," by Dr. John Paul Snyder, consultant on formulas, labels and advertising.

"The First Bound Supplement to the U.S.P. XII—A Review," by Dr. Louis M. Roeg, Merck & Co.

"Diuretics and Their Value," by Dr. Victor A. Digilio, by Dr. James C. Munch and Dr. Joseph D. McIntyre.

Dr. Frederick J. Cullen, executive vice-president of the association, will conduct a round-table discussion following presentation of the papers.

50 Years with Fritzsche

Frederick H. Leonhardt, president of Fritzsche Brothers, Inc., essential oils and aromatic chemicals, New York, marked his fiftieth anniversary with the company April 15 on which date he was the guest of honor at a dinner in the Hotel New Yorker attended by the personnel of the firm, including representatives from all the branches and Canadian offices.

Medical Care Program Proposed by Searle

A far-reaching program of voluntary health insurance to protect Americans against the costs of medical care was proposed by John G. Searle, president of the American Drug Manufacturers Association, in an address at the wartime operations conference of the National Wholesale Druggists' Association at the Palmer house, Chicago, April 19.

The Murray-Wagner-Dingell bill, providing for a nation-wide system of medical care which organized medicine has opposed as "regimentation," is dead as far as the present Congress is concerned, Mr. Searle declared. Reporting on the drug industry's cooperation in the programfm of the National Physicians' Committee for the Extension of Medical Service, he said that a survey of the 435 congressmen elected in 1942 showed that some 300 had pledged themselves "to preserve the professional status for physicians, to oppose compulsory health insurance, and to avoid at any cost the sacrificing of the doctor-patient relationship."

In place of Federalized control of medical care, Mr. Searle recommended extension of the more than 200 successful group plans of health insurance now in operation. There are more than 15,000 business firms participating with their employees in the purchase of insurance to cover loss of wages through illness, life insurance, medical care, surgical costs and hospitalization, he said.

Drugs, Standards Expanded by WSA

OPD Washington Bureau

The minimum standard requirements for drugs, chemicals, and surgical supplies to be carried on all vessels owned or under bareboat charter to the War Shipping Administration have been revised and expanded, WSA has announced.

In addition to a minimum standard drug and medical supply, the new regulation provides that complete instructions for the use of the medications be available. The complete instructions will be included in the revised edition of the United States Public Health Service's publication "Ship's Medicine Chest and First Aid at Sea," soon to be placed aboard all vessels.

DCAT to Move To 291 Broadway

The New York Board of Trade will move to 291 Broadway, New York, May 1. The board will occupy the fourth floor. Located at the new address will also be the Drug, Chemical and Allied Trades Section. Telephone number after May 1 will be Barclay 7-9494.

Army Medical Supplies Surplus Disposal Plan Functioning

Major Joseph G. Noh, director of the Purchasing Division of the Army Medical Purchasing Office, in an address before a special meeting of the National Wholesale Druggists Association in the Palmer House, Chicago, April 19, discussed "Disposal of Surplus Medical Supplies of the War Department." Mr. Noh, in part, said:—

The plan, approved and now in effect for the disposal of surpluses, is functioning as follows:—

When an item for one reason or another is found to be in excess position, and the supply and demand study proves that stocks on hand in excess of established requirements, that amount beyond the requirements is declared excess to the Surgeon-General. The Medical Department then circulates surplus items among the other Services of the War Department, this being done in order to establish the possibility of a conceivable use other than initially intended.

A surprising number of items, particularly chemicals, are found to be needed by Chemical Warfare, Signal Corps and Quartermaster. Items not disposed of by this circulation are offered to the navy and oft times meet a timely naval requirement. Next, a check is made of the current requirements of other war agencies such as Veterans' Administration, Maritime Commission, Public Health Service and Federal Works Agencies, for, under the plan, any of their requirements must first be filled from Medical Department surpluses. If, after these various circulations have been completed, the item surpluses have not been liquidated, they are declared surplus to the Procurement Division of the Treasury Department; not however, until they have first been approved by Headquarters, Army Service Forces, where a final check is made.

Relatively few items, therefore, have been declared surplus by the Medical Department to the Treasury Department. Only those items which have become outmoded or obsolete have had to run the gauntlet of disposal.

Informal discussions with the Procurement Division of the Treasury reveals that when they receive items declared surplus by the various services, their first step is to circularize all governmental agencies—and there are some 2,000 on their mailing list.

Following the screening for possible governmental use, it is presently understood that items, which would have a tendency to effect markets, will be referred to the interested Industry Committee, now organized under WPB, before being finally offered for public sale.

Penicillin Standards Conference Postponed

Because of the many new developments in the quality and production of penicillin preparations and the exhaustive studies now underway, but not yet completed for perfecting purity and potency tests, it has been decided to postpone the pharmacopeial open conference on penicillin standardization, called for April 29 in Washington. Prof. E. Fullerton Cook, chairman of the U.S.P. revision committee, says that the new date for the conference will be announced as soon as the situation becomes more stabilized.

"The Story of Penicillin" will be the theme of the Cavalcade of America, radio feature by E. I. du Pont de Nemours & Co., on the NBC network April 24. Midwest, at 7 p. m.; Eastern States, 8 p. m.; Pacific Coast, 8:30 p. m.; Mountain States, 9:30 p. m. Thomas Mitchell will be the narrator, and George Colouris will portray Prof. Howard W. Florey.

A British Penicillin Committee is being organized, with Sir Henry Dale, president of the Royal Society, as chairman. The membership will represent the governmental ministries of health, production, and supply, the army medical department, the medical research council, and producers of penicillin. Among the members already enrolled are Dr. V. D. Allison, Lt. Col. H. J. Beusted, Prof. R. V. Christie, Dr. A. N. Drury, Prof. A. Fleming, Prof. H. W. Florey, Dr. C. R. Harington, Prof. I. M. Heilbron, Prof. R. P. Linstead, Prof. H. Raistrick, Prof. Sir Robert Robinson, and Col. Sir Russell Wilkinson.

Republic Filters Stock Offered by APC

OPD Washington Bureau

The Alien Property Custodian is inviting bids for the purchase as a whole of 495 shares of common stock, representing 50.25 percent of the issued and outstanding shares, of Republic Filters, Inc., a New Jersey corporation, engaged in the manufacture and development of various type of industrial filters and filtering media. Audited statements of the corporation for the fiscal year ended June 30 disclosed net sales for the year of approximately $476,000 and a net worth as of that date of $117,000.

Bids are to be submitted before May 19. Interested persons may obtain copies of a prospectus and a statement of terms and conditions relating to bids from the Alien Property Custodian, 120 Broadway, New York 5, N. Y.

Penicillin Production Started by Ben Venue

OPD Washington Bureau

Production of penicillin has got underway at the government's new $350,000 plant located just outside Bedford, Ohio, which is being operated for the Defense Plant Corporation by the Ben Venue Laboratories. The plant, employing sixty-five chemists and technicians, is producing penicillin by the surface-culture process, it was stated by officials here, and is also experimenting with the submerged-culture process of production which is employed by the great majority of the industry.

The output of the plant was not revealed, but it is understood that it is not considered one of the big producers.

Toilet Goods Ass'n To Meet May 18-19

The Toilet Goods Association will hold its annual all-industry convention at the Waldorf-Astoria hotel, New York, May 18 and 19. Speakers will include:—

Thursday, May 18

Elmer B. Tysdal, assistant chief, Cosmetics and Toiletries, of the WPB, Washington, will cover the activities of the WPB in the toilet goods industry.

F. J. Solon, Containers Division, WPB, Washington, will discuss the general containers situation.

Col. R. P. Kuhn, of the Headquarters Army Service Forces, will speak on the disposal of government-owned surplus commodities during the postwar period.

W. L. Sims, II, price executive of the Chemicals and Drugs Price Branch of the Office of Price Administration, Washington, will discuss the activities of the OPA in connection with the toilet goods industry.

Herman L. Brooks, president of the association, and Hugo Mock, general counsel for the association, and H. D. Goul-

—*Continued on page 57*

Spice Trade Ass'n To Meet May 9-10

American Spice Trade Association will hold its annual business meeting in the Hotel Astor, New York, May 9 and 10. The business program follows:—

Tuesday, May 9

A talk on world conditions facing the spice industry now and after the war by Alan H. Temple, vice-president of the National City Bank, New York City.

Section meetings.

Wednesday, May 10

Special meeting of the association, to which government representatives have been invited to be followed by the annual meeting.

After luncheon an address on American economic conditions by Dr. Marcus Nadler.

Reassembling for completion of annual meeting.

"Spice for Flavor" dinner—informal dress.

Tantalum Quotas Change

The quantity of tantalum which may be delivered or received without authorization from the War Production Board was increased from one ounce a month to three kilograms (more than six pounds), WPB has announced. Tantalum is a heavy metallic element used in the manufacture of electronic devices and chemical equipment.

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Baker's Industrial Chemicals (purity by the ton) have been supplied to many manufacturing concerns for the manufacture or processing of many products. If you have special chemical requirements for war production or in anticipation of post-war needs, we invite you to discuss your problems in confidence with Baker.

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Baker's
INDUSTRIAL CHEMICALS

Current Market Quotations Chemicals and Related Materials

April 21, 1944

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde,[4,6] 99%, dms.. 55 and 110 gals., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
dms.....lb. .42 - —
kgs.....lb. .37 - .42
powd., bbls.....lb. .34 - .41
dms.....lb. .40 - —
kgs.....lb. .35 - .36

Acetoacetanilide, bbls., 75-lb. dms. lb. .49 - —
smaller lots.....lb. .67 - —

Acetone, CP,[6,1] dms., c.l., divd. E.*..lb. .08 - —
l.c.l., divd.....lb. .08½- —
tanks, divd.....lb. .07 - —

* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).

Acetonitrile, dms., c.l., works.lb. .75 - —
l.c.l., works.....lb. .90 - 1.25
5-dm. lots, works.....lb. 1.00 - —
5-gal. lots, works.....lb. 1.25 - —

Acetophenetidin, bbls., kgs., 1,000 lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.55 - 1.60

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1,6] com'l or redist., 28%. bbls..100 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.38 - 5.63
70%, bbls.....100 lbs. 6.98 - 6.98
80%, bbls.....100 lbs. 7.47 - 7.72
glacial, nat., CP, cbys.100 lbs.15.50 -15.75
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 6.96 - —
USP, cbys.....100 lbs.11.70 - —
synth., CP, dms., works..... 100 lbs.12.50 -13.50
99.5%, bbls., works.100 lbs. 9.15 - 9.46
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - —
USP, dms., works.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.44 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic, anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't... 100 lbs. .45 - —
smaller lots, same basis. lb. .46 - .59

Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis. lb. .40 - .54

Freight equal'd. shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .31 - —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous,[6] tech. (see Arsenic, White.)
USP, powd., dms., kgs....lb. .20 - .22

Ascorbic,[1,6] USP, 50-kilo lots, dms..kilo.27.00 - —
10-kilo lots, dms.....kilo.27.35 - —
2½-kilo lots, dms.....kilo.27.70 - —
1-kilo lots, dms.....kilo.28.41 - —
500 gram lots, bots....kilo.29.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
10-35, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Betaoxynaphthoic, bbls., f.o.b. works..lb. .95 - —

Boric,[3] tech., 99.5% cryst., (same as prices for powder), gran., bgs., c.l., frt. alld. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bu.k, frt. alld.....ton 95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots ex whse....ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works. lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —

Brosmers, bbls.....lb. 1.11 - —

Cacodylic, 5-lb. bots.....lb.22.00 - —

Acid, camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .21½ Nom.
Caprylic, dms.....lb. .27 - .27½
Castor oil,[5] split, dms.....lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks. lb. .08 - —
l.c.l.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic,[6] 99½-99¾%, dms., c.l., lb. .16¼- —
l.c.l.....lb. .16¾- .18¼
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric,[1,6] anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., 1 ship't..lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs.....lb. .24 - —
cryst., gran., bbls., c.l.....lb. .20 - —
10,000 lbs., 1 ship't....lb. .20½- —
smaller lots.....lb. .23 - .24
xgs.....lb. .21½- —
Citric acid powd., ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1,5] dist., dms....lb. .15½- .17½
Cottonseed oil,[1,5] dist., dms..lb. .12 —
tanks, divd.....lb. .11¼- —
Cresylic,[2,6] (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks.....gal. .75 - —
(Petroleum), light grade (200°-231°), tanks, f.o.b. Cal. ref., gal. .090 - —
medium grade (220°-246°), tanks, divd..gal. .648 - —
20 dms., f.o.b. Cal. ref., gal. .550 - —
f.o.b. Sewaren, N.J..gal. .976 - —
1-19 dms., f.o.b. Cal. ref., gal. .570 - —
f.o.b. Sewaren, N.J..gal. .990 - —
heavy grade (247°-296°), tanks, divd..gal. .586 - —
20 dms., f.o.b. Cal. ref., gal. .490 - —
f.o.b. Sewaren, N.J..gal. .616 - —
1-19 dms., f.o.b. Cal. ref., gal. .510 - —
f.o.b. Sewaren, N.J..gal. .636 - —
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, dom., 90%, cbys., c.l., works..lb. .10¼- —
l.c.l.....lb. .11 - .11¼
Fumaric, tech., bbls.....lb. .27 - .31
Gallic, NF VII, bbls.....lb. 1.27 - 1.50
fib. dms.....lb. 1.34 - —
technical, bbls.....lb. 1.10 - 1.13
Gamma, bbls.....lb. .85 - —
Gluconic, bbls., 500 lbs.....lb. .12 - —
kgs., 100 lbs.....lb. .15 - —
dmjn.....lb. .21 - .23
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - —
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, basis acid content..lb. .08½- —
Hypophosphorous, USP, djns., lb. .75 - .80
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more.. lb. .24½- —
1 to 4.....lb. .24¾- —
lb. .24¼- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lb. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech., dms.....lb. .20 Nom.
Laurent's, bbls.....lb. .45 - —
Linseed oil,[2] light, dms.....lb. .21½- .22
Maleic,[6] powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.20
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric, unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, 85%, tech., bbls..lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works..... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —

Acid, muriatic, 22°, cbys., c.l., E. works..100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, dealer, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .19 - .19½
Naphthenic,[6] 210-220 acidity, dms. extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms. extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic,[6] dms., 50-kilo lots up, kilo. 7.00 - —
10-kilo lots.....kilo. 7.10 - —
2½-kilo lots.....kilo. 7.20 - —
1-kilo lots.....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25, E. woks.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35- —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, dealers, cbys.....lb. .11¼- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11¼- —
smaller lots.....lb. .12¼- —
Palm oil,[5] white, dist., dms.lb. .13 - .13½
tanks.....lb. .12¼- —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Parateluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —
Phenylacetic, bots.....lb. 1.85 - 2.00
Phosphoric,[6] pure food grade, 50%, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.20
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, divd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald.. 100 los. 5.10 - 5.25
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.00
1 to 9 cbys., works, frt. alld...100 lbs. 8.00 - 9.00
tankcars, works, frt. equald, 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area...100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¼- —
10 cbys., to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .85 - —
Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19¼- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns.....lb. 1.63 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., divd., E.gal. .30 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic,[1] tech., bbls., c.l....lb. .20 - —
100 lbs., to c.l. .....lb. .22 - —
smaller lots.....lb. .24 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works...lb. .55 - .57
Soybean oil,[1,5] dist., dms....lb. .16¼- .18¼
tanks, works.....lb. .11 - —
Stearic,[1,5] double-press, bgs..lb. .15¾- .16¾
single press, bgs.....lb. .15¾- .16¾
triple press, bgs.....lb. .18¾- .19¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 up, works...100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E.works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs..lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs.....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -25.00
15-gr. vials .....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials .....vial. 1.60 - —
Acrylonitrile,[6] dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1,5] USP, anhyd., dms., primary distributors, lb. .34 - .35½
producers .....lb. .33 - —

Adeps lanae, hyd., dms., primary distributors..lb. .32½- .34
producers .....lb. .32 - —
Adeps lanae prices for primary distributors, f.o.b. St. Louis, lc. higher.
Agar,[5] .....lb. 3.50 - —
San Diego, Cal. .....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] cryst., powd...lb. 1.85 - 1.97
granular .....lb. 1.80 - 1.93
tech., cryst., bbls.....lb. 1.65 - 1.78
Alcohol, amyl (see also Fusel oil), refd.), ex pentane, dms., c.l., frt. alld. E. of Miss., R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns. .....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,6] ferment, Ill., Ind., prod., dms., frt. alld. E..lb. .1930- —
l.c.l., frt. alld. E.....lb. .2030- —
tanks, frt. alld. E.....lb. .1880- —
other production, dms., c.l., frt. alld. E...lb. .1950- —
l.c.l., frt. alld. E.....lb. .2000- —
tanks, frt. alld. E.....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¾- —
tanks, frt. alld. E.....lb. .10¾- —

* Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss...lb. .091 - —
l.c.l., same basis.....lb. .090 - —
tanks, same basis.....lb. .083½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots .....lb. 1.90 - 2.00
Cinnamic, bots. .....lb. 3.00 - —
Denatured,[1,6,4] CD14, dms., c.l., divd. E..gal. .54½- —
19 dms., works, E.....gal. .56½- —
1 to 18 dms., works, E..gal. .59¼- —
tanks, E., divd.....lb. .50 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19 bbls., E. works..gal. .64 - —
1 to 18 bbls., E. works, gal. .67 - —
tanks, E. works.....gal. .50 - —
Anhydrous 3c. per gal. higher.
SD2B, bbls., c.l., wks., E.gal. .60 - —
19 bbls., works, E...gal. .62 - —
1 to 18 bbls., works, E., gal. .65 - —
tanks, E. works.....gal. .48 - —
CD23G (replaced by SD23H).
SD23H, works, c.l., bbls..gal. .61½- —
19 bbls. .....gal. .63½- —
1 to 18 bbls.....gal. .66½- —
tanks, E. works.....gal. .49¼- —
SD29, denatured, with acetaldehyde, bbls., c.l., E. works, gal. .62½- —
l.c.l., 19 or more, E. works..gal. .60 - —
1 to 18, E. works..gal. .60 - —
tanks, E. works.....gal. .50½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD29, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .53½- —
19 dms. to c.l. .....gal. .57½- —
1 to 18 dms. .....gal. .60½- —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[6] acetone-free, dms., c.l., divd..lb. .11½- .14½
l.c.l., divd.....lb. .11¾- .16
tanks, divd.....lb. .10¼- .13½
tech., dms., c.l., divd.....lb. .11 - .12½
l.c.l., divd.....lb. .11¼- .14
tanks, divd.....lb. .10 - .12½
Ethyl,[6] 190 pf., dms., c.l...gal.17.64½- —
19 dms.....gal.17.68 - —
1 to 18 dms.....gal.17.71 - —
tanks .....gal.17.60 - —
absolute, dms., c.l.....gal.18.62 - —
18 dms., c.l.....gal.18.65½- —
1 to 17 dms.....gal.18.68½- —
Ethylhexyl, dms., c.l., wks..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - .26
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works.lb. .0680- —
tanks, works.....lb. .0700- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., divd..gal. .66½- —
55 gals., c.l., divd....gal. .59 - —
l.c.l., divd.....gal. .43¼- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., divd.gal. .65 - —
55 gals., c.l., divd....gal. .44 - —
l.c.l., divd.....gal. .47 - —
tanks, frt. alld.....gal .37½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .62
Propyl, normal, dms., wks..gal. .67 - .70

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order (L order)
[4]—General Preference Order (M order)
[5]—Conservation Order (M order)
[6]—Allocation

Alcohol, tetrahydrofurfuryl, dms., c.l., Waverly, N. Y. .lb. .40 - —
smaller lots, same basis..lb. .44 - .50
cns., Cedar Rapids, Ia....lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 1.85 - 2.00
Algin, bbls., fib. dms.....lb. .79 - 1.50
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .20 - .21
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .65 - .80
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks.gal. .81½- —
l.c.l., works.....gal. .83½- —
tanks, works.....gal. .78½- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, bls.....lb. .60 - .65
Alum, ammonia,[2] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd. N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd. N. Y., Phil..100 lbs. 4.40 - —
potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phila..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phila..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phila..100 lbs. 4.65 - —
Potash, chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works..lb. .35 - .40
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls., dlvd..lb. .10½- .11
solut., 20%, bbls., dlvd...lb. .09½- .10
Chloride, anhyd.,[3] com'l, dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., works.....lb. .06¼- .06¾
solut., 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[3] heavy, bgs., c.l., works..lb. .0310- —
bbls., c.l., works.....lb. .0340- —
l.c.l., works.....lb. .04 - —
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide gel, USP purity, conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .73 - —
contract, works.....lb. .73 - —
powd., USP IX, bbls., dms.lb. .15 - .19
Laurate, prec., bbls.....lb. .25 - .26
Naphthenates, 1.7%, Al, 50-gal. dms., works..lb. .18%- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., c.l...lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald. 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works... 100 lbs. 2.35 - —
l.c.l., works.....100 lbs. 2.50 - —
Aluminum, 98-99%, ³/₈,⁴ c.l...lb. .15 - —
l.c.l. .....lb. .16 - —
paste,[4] lining, extra fine, 200-lb. dm..lb. .58 - .69
grade B, 250-lb. dm.....lb. .54 - —
ink, 150-lb. dm.....lb. .71 - —
standard (No. 30), 200-lb. dm., lb. .33 - —
grade B (L-30), 250-lb. dm., lb. .34 - —
powder,[4] lining, extra fine, 150-lb. dm..lb. .95 - —
litho, 150-lb. dm.....lb. .57 - —
standard (30XD), 200-lb. dm., lb. .50 - —
grade B (L-30XD), 275-lb. dm..lb. .57 - —
rubber comp., 200-lb. dm..lb. .40 - —
unpolished, stand., 250-lb. dm., lb. .36 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 17.00 -18.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, dms.....lb. 4.00 - —
bots.....lb. 4.25 - —
Ammonia,[5] anhydrous, fertilizer, tankcars, works, frt. equald., ton.59.00 - —
refrigeration, tanks, wks..ton.69.00 - —
pure, cyls.....lb. .16 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02¼- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, refined, dms., kgs., 4,000 lbs. up, frt. alld.lb. .43 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms.....lb. .0639- .0614
Bichromate,[6] bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls., kgs.....lb. .1060- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .31 - .35
dms. .....lb. .32 - .36
Carbonate, lump, dms.....lb. .06½- .09¼
cns. .....lb. .14¼- .17¼
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs., lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, agua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Ammonia iodide, NF, bots....lb. 3.71 - —
jars .....lb. 3.85 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs...lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,5] Canadian, fertilizer grade, 32.5 nitrogen, bgs., producing point..ton.47.50 - —
ordnance, bgs., same basis. ton.50.00 - —
tech., bgs., works....100 lbs. 4.35 - 8.50
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .31 - .39
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l... .....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
Salicylate, NF, dms., kgs...lb. 1.15 - 1.18
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .18½- —
Sulpharamate, bbls., works....lb. .18 - .24
Sulphate,[1,5] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 45%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, dms.....lb. .45 - .97½
tech., bbls.....lb. .17 - —
Thioglycolate, 100%, bbls....lb. 7.10 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .17
l.c.l., dlvd.....lb. .13 - .17½
tanks, dlvd.....lb. .11½- .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .75 - .90
Caproate, dms.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .08¼- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Oleoate, dms., works.....lb. .81 - —
Salicylate, bots.....lb. .85 - 1.25
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Amylnaphthalenes, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, com'l, dms., works...lb. .657 - .662
NF, bots.....lb. 2.10 - 2.35
cans .....lb. 1.90 - 2.25
Angelica root, dom., bls.....lb. .55 - .60
Angostura bark, bls.....lb. .20 - .21
Anilin[2] oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .33 - .34
Mexican, recleaned, bgs.....lb. .25 - .26
Syrian, bgs.....lb. .27 - .27½
Turkish, bgs.....lb. .23 - .30
Anisic aldehyde, bots.....lb. 2.90 - 3.00
Annatto,[6] paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .06¼- —
Anthracene, 80-85%, bbls., works. lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17½
Needle,[1] Bolivian, brown, 67%, cs...lb. .18½- —
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1,6] bgs., c.l.....lb. .15 - —
l.c.l. .....lb. .15½- —
Salt,[1] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls.....lb. .16 - .16½
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .30 - .35
Arecoline hydrobromide, bots..oz. 12.25 - —
Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity. 60.00 - —
Spanish port, 100 kilos, 100% purity..52.00 - —
Arnica flowers, bls.....lb. 3.40 - 3.60
Arrowroot, powd., bgs., bbls..lb. .10 - .10½
Arsenic,[6] metal, lump, c.l....lb. No prices
Chloride (arsenous), bots...lb. 1.55 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Sulphide, yellow, bbls.....lb. .52 - .55
bots. .....lb. .60 - .64
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .45 - .68
powd., bbls., dms.....lb. .55 - .82
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines. ton.49.50 - —
5R, bgs., same basis.....ton.44.60 - —
6D, bgs., same basis.....ton.33.00 - —
7D, bgs., same basis.....ton.28.50 - —
7F, bgs., same basis.....ton.26.50 - —
7H, bgs., same basis.....ton.22.50 - —
7K, bgs., same basis.....ton.19.00 - —
7M, bgs., same basis.....ton.16.50 - —
7R, bgs., same basis.....ton.15.50 - —
Asphaltum, Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks.lb. .05¾- .13
jet, bgs., 2,000 lbs. gross weight Colo. mines..ton.30.50 - —
Barbados, Dunellen, N. J....lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban A, bulk, c.l., N. Y..ton.60.00 - —
l.c.l., same basis.....ton.90.00 - —
B, bulk, c.l., N. Y.....ton.38.50 - —
l.c.l., same basis.....ton.55.00 - —
Egyptian, substitute, bgs., l.c.l., refinery, N. J. or Ill..lb. .58 - —
Gilsonite, brilliant black, selects, 340 F. fusing point, bgs., mines..ton.32.90 - —
seconds, 370-890 F. fusing point, not uniform, same basis..ton.25.50 - —
selects, 290-295 F. fusing point, same basis..ton.30.50 - —
Asphaltum, Gilsonite, 270 F. fusing point, same basis..ton.30.50 - —
seconds, 300-330 F. fusing point, not uniform, same basis..ton.25.50 - —
jet, bgs., 2,000 lbs. gruss weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., Texas refinery..ton.21.00 - —
l.c.l., refinery.....ton.21.00 -23.00
tanks, refinery.....ton.16.00 - —
Atropine, bots.....oz.15.00 - —
Sulphate, bots.....oz. 7.75 - 8.15

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[3,6] (see Cube root).
Barberry, root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.55.00 - —
ton.55.00 - —
l.c.l., works.....ton.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works.....ton.65.00 - —
sulphur-free, paper bgs., wks. ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Chlorate,[6] kgs.....lb. .36 - —
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., zone 1, bgs., c.l., dlvd..ton.77.00 - —
l.c.l., dlvd.....ton.90.00 - —
Zone 2, bgs., c.l., dlvd.ton. 81.00 - —
l.c.l., dlvd.....ton.94.00 - —
Zone 3, bgs., c.l., dlvd.. ton.87.00 - —
l.c.l., dlvd.....ton.100.00 - —
Zone 4, bgs., c.l., dlvd.. ton.100.00 - —
l.c.l., dlvd.....ton.113.00 - —

Barium chloride, tech., in bbls., $2 per ton higher. Sales zones are:—1, Ill., Ind., Ky., Mich., Md., Ohio, New England States, N. J., N. Y., Pa., Va., Wis., and principal cities of W. bank Miss. R., N. of Miss., No. of Ark. line; 2, Ala., Fla., Ga., Miss., N. C., S. C., Tenn.; 3, Ariz., Colo., Idaho, Ia., Minn., Mo., N. Mex., Utah; 4, Calif., Nev., Ore., Wash.

Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, cks.....lb. .11 - .12
Oxide, dms., c.l., works.....lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works...lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls..... .....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis... ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, bulk, mines.....ton. 8.00 - —
Bauxite,[6] bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bayberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.00 - 1.05
Root, bls.....lb. .90 - 1.00
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works.....ton.16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .56
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works. gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 2.55 - 3.00
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....oz. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .18 - .20
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.90 - —
l.c.l., same basis.....lb. 1.85 - —
95%, same basis.....lb. 2.05 - 2.35
98-99%, same basis.....lb. 2.50 - —
Beth root, bls.....lb. .42 - .45
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.50 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.42 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 62 - 66%, bbls., fib. dms..lb. 2.50 - —
bots., cns.....lb. 2.51 - 2.59
Sulphurcarbolate, bots.....lb. 3.71 - 3.76
fib. dms.....lb. 3.65 - —
Trioxide, powd., bots.....lb. 3.71 - 3.76
cns. .....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
Bone, 1A, bgs., bbls., c.l., frt. alld East..lb. .17 - —
2, bgs., bbls., c.l., same basis, lb. .12 - —
3, bgs., bbls., c.l., same basis..lb. .11 - —
4, bgs., bbls., c.l., same basis, lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast prices are 1½c. higher ex dock or whse.

Carbon,[6] heads, comp., bgs., c.l., works..lb. .03550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½- —
regular uncompressed, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08¼- —
Lamp, 1, ctns., works.....lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .12½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes listed under Dyes.
Black haw root bark, bls.....lb. .76 - .80
Tree bark, bls.....lb. .26 - .30
Black Indian hemp root, bls..lb. .30 - .35
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, ton.70.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 60%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.... unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
smaller lots, Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. No stocks
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. River including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
80%, bbls., same basis..lb. 3.30 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Iron, Chinese, bbls., same basis, lb. .36 - —
Milori, bbls., same basis..lb. .35 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis, lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent, toner, green shade, tungstic..lb. 4.90 - —
molybdic .....lb. 3.50 - —
Potash, CP, bbls., same basis, lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .23 - .27
job grades, bbls., same basis, lb. .12 - .13
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner,[1] tungstic, bbls., lb. 3.30 - —
molybdic, bbls.....lb. 3.15 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis, lb. 2.10 - —

Blue dry colors, dlvd. prices ¼c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .40 - .45
Blue mass, NF, cns., tubs....lb. 1.46 - 1.63
powd., bots., cns., dms.....lb. 1.49 - 1.63
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.50 -65.00
junk, bulk, same basis....ton.35.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.46.50 - —
Chicago, works.....ton.51.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. wks..ton.38.50 - —
Chicago, works.....ton.37.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see under D).
Boneset leaves, bls.....lb. .15 - .17
Borage flowers, bls.....lb. .45 - .60
Borax,[2] tech., 99½%, gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld...ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., frt. alld....ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —

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AMMONIUM THIOGLYCOLATE
Standardized for your special requirements—prompt shipment.

BENZALDEHYDE N. F.
Allotments can be made available—ask for detailed information.

CALCIUM LACTATE
Available for prompt shipment.

CARBON TETRACHLORIDE SUBSTITUTE
Detailed information with samples on request.

CHLOROFORM USP
In tin lined drums of about 600 pounds net each for prompt shipment.

CHLOROFORM TECHNICAL
We have this in large drums of about 1000 pounds each.

CITRIC ACID REPLACEMENT
This is a liquid available in barrels of about 450 pounds each. It is used pound for pound to replace Citric Acid.

CREAM OF TARTAR
We can offer a few tons of the USP powder.

CRESYLIC ACID
We serve the Defense Supply Corporation as distributors for the British. We also supply the domestic petroleum Cresylic under direction of the War Production Board.

ETHYLENE DICHLORIDE
Contains 17/18% Butyl Chloride. Available regularly; drums, carloads or tank car shipments.

ETHYL ETHER USP
Available for prompt shipment in drums.

LACTIC ACID
We have the 50% edible. As the consuming season is now under way; first come, first served.

LECITHIN
A food grade emulsifier and antioxidant —samples on request.

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Although demand is greater than supply, we may be able to book some orders for May shipment.

METHYL CELLOSOLVE RICINOLEATE
We supply this vinyl resin plasticizer.

ORTHODICHLOROBENZENE
An excellent solvent for oils, fats, waxes, etc. Boiling at 182° C.—contains about 15% Paradichlorobenzene.

PHOSPHORIC ACID
The 75% food grade in carboys of about 165 pounds is in stock, available for prompt shipment.

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Is now available at a price no higher than Mono Sodium Glutamate.

PRUSSIATE POTASH—YELLOW
Sizable quantity—spot stock.

SODIUM BENZOATE USP
Stocks rapidly being depleted as a result of the seasonal demand; first come, first served.

TARTARIC ACID
Consult us concerning your forward requirements.

YELLOW PRUSSIATE POTASH
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AROMATIC PETROLEUM SOLVENTS—samples on request

WILLIAM D. NEUBERG COMPANY
Chemicals

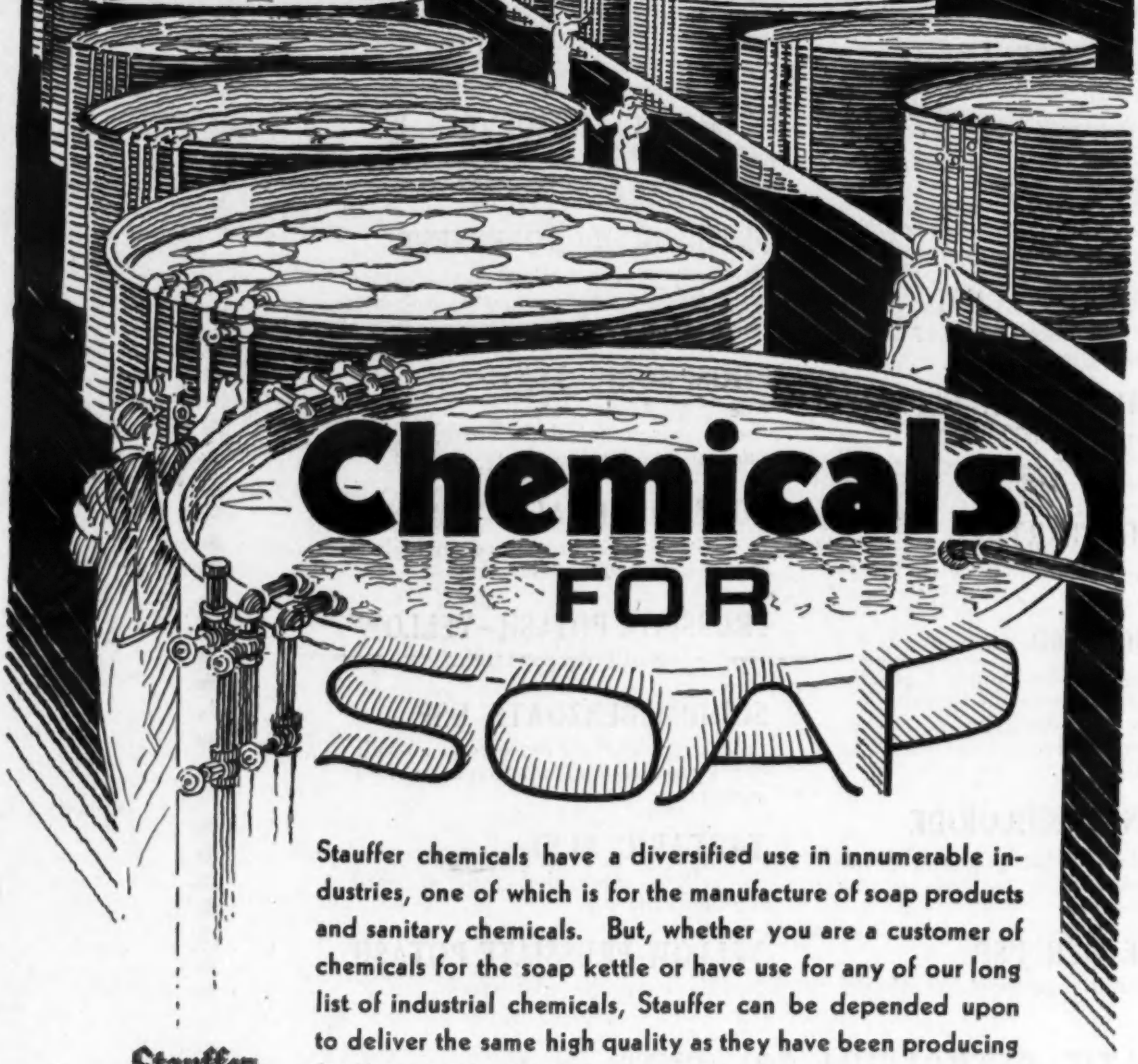
GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324

Borax, tech., 99½%, powd., bbls., c.l., frt. alld..ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brasilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, bots.....lb. 1.50 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .87 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[2] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works .....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works.lb. .03¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works.lb. .08 - .10
Umber, Amer., bbls., works.lb. .03¾- —
Italian type, bbls., works. lb. .04¾- —
Brown, umber, Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
f.o.b. St. Louis, Chicago, Indianapolis, New Orleans.lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
f.o.b. ex car, Los Angeles, lb. .05½- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100 oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Byronia root, bls.....lb. .65 - .75
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .78 - .80
Berries, bgs.....lb. .70 - .75
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3. gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R..lb. .1895- —
l.c.l., frt. same basis. lb. .1945- —
tanks, same basis....lb. .1795- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Butyl acetate, secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal, dms., c.l., works.....lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref'd, dms., works..lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms .....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] jars.....lb. 1.65 - 1.70
bots. .....lb. 1.84 - 1.91
Iodide,[6] bots.....lb. 4.23 - —
cans .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,4] pat. shapes, cs., dlvd. lb. .95 - —
Ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1,6] dms., makers, primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots.....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots.....lb. 3.35 - 3.45
citrated, dms., makers, primary distrib., 100 lbs. or more..lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate,[6] bgs., c.l., whse., works, frt. alld..lb. .07 - .08
l.c.l., same basis.....lb. .07¼- .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1,6] dms., works....ton.50.00 - —
dms., dlvd., c.l.....ton.87.00 -95.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd...ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .29
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -31.50
l.c.l., 15 tons, dlvd...ton.21.45 -25.45
5-ton lots.....ton.28.45 -40.95
Calcium chloride prices vary according to zone; min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton; over paper bags; drums $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .58
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.29 - —
10-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.10
Lactate, USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, dense, fluffy, dm..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .15 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0535- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms..lb. .13¾- .19½
Calcium-strontium-sulphide, phosphorescent, dms., works, frt. alld..lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 3.25 - 3.30
Calomel,[2] bbls., dms.....lb. 2.35 - 2.36
bots. .....lb. 2.46 - 2.52
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works. lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, dms.....lb. 3.10 - 3.25
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.19
Caraway seed,[1] Morocco, dewhiskered, bgs..lb. .66 - .67
Syrian, dewhiskered, bgs....lb. .58¼- .58¾
natural, bgs.....lb. .47¾ Nom.
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis.. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1,6] Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.



Stauffer chemicals have a diversified use in innumerable industries, one of which is for the manufacture of soap products and sanitary chemicals. But, whether you are a customer of chemicals for the soap kettle or have use for any of our long list of industrial chemicals, Stauffer can be depended upon to deliver the same high quality as they have been producing for the past six decades.

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CAUSTIC SODA	BORAX	BORIC ACID
Acids	*Copperes	Sulphur Chloride
Aluminum Sulphate	Cream of Tartar	Sulphuric Acid
Carbon Bisulphide	Liquid Chlorine	*Superphosphate
Carbon Tetrachloride	Silicon Tetrachloride	Tartaric Emetic
Citric Acid	Sodium Hydrosulphide	Tartaric Acid
Commercial Muriatic Acid	Sulphur	Textile Stripper
Commercial Nitric Acid		Titanium Tetrachloride

(*Items marked with star are sold on West Coast only.)

420 Lexington Avenue, New York 17, N.Y.
444 Lake Shore Drive, Chicago 11, Illinois
624 California Street, San Francisco 8, Cal.
550 South Flower St., Los Angeles 13, Cal.
424 Ohio Bldg., Akron 8, O.—Apopka, Fla.
North Portland, Oregon—Houston 2, Texas

STAUFFER CHEMICAL COMPANY

Cardamom,[1] bleached, cs.	lb.	1.65	Nom.
decorticated, cs.	lb.	1.28	- 1.32
green, Alleppey, bgs.	lb.	.95	- 1.00
Ceylon, cs.	lb.	1.00	- 1.05
Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd.	gram.	2.85	- —
50 grams, dlvd.	gram.	2.90	- —
Carvol, bots.	lb.	22.50	-23.00
Cascara sagrada bark, bulk	lb.	.31	- .32
Case hardening mixture, 30%, gran., dms., l.c.l.	lb.	.09¾-	—
slabs, dms., l.c.l.	lb.	.08¾-	—
Casein,[1,6] dom., acid-precip., bgs., 100 bgs. or more, ship't point	lb.	.24	- —
20 to 99 bgs., same basis	lb.	.24¼-	—
less than 20 bgs., same basis	lb.	.24¾-	—
rennet-precip., bgs., 100 bgs. or more, same basis	lb.	.25¼-	—
20 to 99 bgs., same basis	lb.	.25¾-	—
less than 20 bgs., same basis	lb.	.26¼-	—
imp., acid-precip., ground, bgs., 100 bgs. or more	lb.	.19	- .20
rennet-precip., unground, bgs., 100 bgs. or more	lb.	.22½-	.25
Cassia,[1]	lb.	No stocks	
Cassia fistula, bskts.	lb.	.23	- .24
Castor beans, f.o.b. Brazilian ports	long ton.	75.00	- —
Oil (see Oil, castor).			
Pomace,[1] bgs., c.l., works	unit-ton.	2.90	- —
Castoreum, nat., cns.	lb.	12.50	-13.00
synth, bots.	lb.	19.00	- —
Catechol, CP, cryst., works, flb. dms., tins.	lb.	2.25	- 2.40
resublimed, frt. alld. E. of Miss., dms.	lb.	3.50	- —
Catnip, bls.	lb.	.30	- .35
Celery seed,[1] Indian, bgs.	lb.	.21½-	.22
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate,[4,6] flake, ctns., works, frt. alld.	lb.	.30	- .35
granules, ctns., same basis	lb.	.35	- —
Triacetate,[4,6] flake, ctns., works, frt. alld.	lb.	.30	- —
Cerium hydrate, dms., works	lb.	.60	- —
Oxalate, USP, bbls., works	lb.	.35	- —
kgs., works	lb.	.37	- —
Oxide, optical grade, kgs., 100-lb. lots, works	lb.	1.50	- —
smaller lots, bgs., same basis	lb.	2.00	- —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works	lb.	.02¾-	—
paint and other industries, bgs., c.l., works	ton.	40.00	- —
papermakers, bgs., c.l., works	ton.	32.50	- —
rubbermakers, bgs., c.l., works	ton.	30.00	- —
Chamomile, Hungary type, cs.	lb.	.55	- .65
Roman, bls.	lb.	No stocks	
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers: plants in South.	ton.	30.20	- —
l.c.l., same basis	ton.	41.00	- —
Willow, powd., bbls.	lb.	.06	- .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works	lb.	.0285-	.0370
tanks, works	lb.	.0225-	.0310
powdered, 65% tannin	lb.	.005	- .0715
Chillies (see Pepper, red).			
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works	ton.	9.50	- —
l.c.l., works	ton.	16.00	- —
bulk, c.l., works	ton.	7.00	- —
200 mesh, bgs., c.l., wks.	ton.	8.50	- —
l.c.l., works	ton.	9.50	-15.50
wet grd., silkbolt 99.5%, 325 mesh, bulk, c.l., works.	ton.	9.50	- —
paper bgs., c.l., works.	ton.	12.50	- —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.	ton.	19.00	-24.00
powd., cks., l.c.l., ex whse.	ton.	41.00	- —
Chloral hydrate, jars	lb.	.93	- .96
dms.	lb.	.90	- .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works	lb.	.32	- —
smaller lots, works	lb.	.55	- —
Chlorine,[2,3,6] liquid, cyls., c.l.	lb.	.05¼-	—
contracts	lb.	.05¾-	—
l.c.l.	lb.	.07¼-	—
tanks, single units, works, frt. equald.	100 lbs.	1.75	- —
multiple units, 3 or over, works, frt. equald.	100 lbs.	2.00	- —
2, wks., frt. equald.	100 lbs.	2.50	- —
1, wks., frt. equald.	100 lbs.	3.00	- —
Chloroform, tech., dms.	lb.	.20	- .23
USP, dms.	lb.	.30	- .33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld.	lb.	.80	- —
100-lb. cyls., same basis	lb.	.62	- —
25-lb. cyls., ex whse.	lb.	1.00	- —
1-lb. bots., ex whse.	lb.	1.25	- —
Chrome acetate, powd., 24%, bbls.	lb.	.22	- —
solut., 8%, bbls., cs.	lb.	.07½-	—
7½%, bbls., cs.	lb.	.06½-	—
Cake, bulk, c.l., works	ton.	16.00	- —
Ore,[1] residue, paper bgs., c.l., works.	ton.	15.00	- —
Oxide (see Green, chrome).			
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, bot.	lb.	6.03	- 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs.	lb.	1.20	Nom.
broken, bgs.	lb.	.19	Nom.
yellow, quill, bgs.	lb.	.19	Nom.
Cinchonidine,[6] small, cryst., cns., 100 oz.	oz.	.80	+ .13½*
sulphate, NF, cns., 100 ozs.	oz.	.89	+ .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs.	oz.	.62	+ .13½*
large cryst., cns., 100 ozs.	oz.	.66	+ .13½*
Sulphate, NF, cns., 100 ozs.	oz.	.42	+ .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, bots.	lb.	3.70	- 3.80
dms.	lb.	3.50	- 3.60

Heavy density cinchophen 20c. per lb. higher.

Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, cns., dms.	lb.	2.00	- 3.90
Cinnamon, Ceylon, 2, bls.	lb.	.53	- .53½
No. 2, bls.	lb.	.52	- .53
chips, bgs.	lb.	.56	Nom.
Citral, bots., cns.	lb.	2.85	- 4.75
Citrine ointment,[3] jars.	lb.	.93	- 1.15
Citronellal, bots., dms.	lb.	2.75	- 3.25
Citronellol, bots., dms.	lb.	6.00	- 7.00
Cloves,[1] Zanzibar	lb.	.17¼-	.17¾
Clover tops, red, bgs.	lb.	.45	- .57
Coaltar, coal-gas, crude, bbls., l.c.l., works	bbl.	8.25	- —
l.c.l., works	bbl.	8.75	- —
tanks, works	gal.	.07½-	—
refd., bbls., c.l., works	bbl.	8.75	- —
l.c.l., works	bbl.	9.25	- —
tanks, works	gal.	.08½-	—
water-gas, crude, dms., c.l., works	bbl.	8.25	- —
l.c.l., works	dm.	8.75	- —
refd., dms., c.l., works	dm.	9.25	- —
Cobalt acetate,[6] bbls., kgs., dlvd.,	lb.	.83¾-	—
feed grade, 49.5% Co., kgs.	lb.	1.25	- —
Carbonate,[6] powd., bgs., works,	lb.	1.58	- —
feed grade, 23% Co., kgs.	lb.	1.85	- —
Chloride, kgs., works	lb.	.87½-	—
feed grade, 24.5% Co., kgs.	lb.	1.25	- —
Hydrate,[6] bbls.	lb.	2.04	- —
feed grade, 42% Co., kgs.	lb.	2.25	- —
Linoleate, paste, 5%, dms.	lb.	.32	- .35
solid, 8½%, dms.	lb.	.44	- —
Naphthenate, 6% Co., 50-gal. dms.	lb.	.31	- —
Nitrate, feed grade, 20.4% Co., kgs.	lb.	1.25	- —
Oleate, bbls.	lb.	.44	Nom.
Oxide,[6] black, kgs.	lb.	1.84	- —
Phosphate, feed grade, 34% Co., kgs.	lb.	1.75	- —
Resinate, precip., 7.5% Co., 100-lb. dms.	lb.	.38½-	—
Soyate, 8%-8.5% Co., 50-gal. dms.	lb.	.42	- .44
Sulphate,[6] dms.	lb.	.65	- —
feed grade, 21% Co., kgs.	lb.	1.00	- —

Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.

Cobalt-ammonium sulphate, 14% Co., kgs.	lb.	.75	- —
Cocaine hydrochloride, 100-oz. lots, cns.	oz.	9.75	- —
Cochineal, gray, bgs.	lb.	.37	- .38
silver, Teneriffe, bgs.	lb.	.38	- .39
Cocoa butter,[1] bulk, ship't pt.	lb.	.25	- —
Coccillana bark, bgs.	lb.	.28	- .30
Codeine, cns., 100 ozs.	oz.	11.70	- —
Hydrochloride, cns., 100 ozs.	oz.	10.50	- —
Phosphate, cns., 100 ozs.	oz.	9.00	- —
Sulphate, cns., 100 ozs.	oz.	9.50	- —
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.18	- .20
blue, bls.	lb.	.18	- .20
Colchicine, bots., cns.	oz.	No stocks	
Colchicum seed	lb.	No stocks	
Collodion, USP, dms.	lb.	.19½-	.20½
cns.	lb.	.23	- .29½
flexible, USP, dms.	lb.	.21	- .22
cns.	lb.	.25	- .31
Colocynth pulp, bls.	lb.	.60	- .65
Colombo root, bls.	lb.	.14	- .15
Coltsfoot leaves, bgs.	lb.	.90	- 1.00
Condurango bark, bgs.	lb.	.12	- .15
Copaiba balsam, Peru, cns.	lb.	.47	- .49
S. A., USP, cns.	lb.	.50	- .52
Copper acetate,[6] cupric, bbls., dlvd.	lb.	.24	- —
smaller containers, dlvd.	lb.	.26	- .50
Carbonate,[6] 52-54%, bbls.	lb.	.19½-	.20
Chloride,[6] anhyd., bbls.	lb.	.22½-	.23
crystals, bbls.	lb.	.14¾-	.17
Cyanide,[6] tech., bbls.	lb.	.34	- .38
Iodide, bots.	lb.	5.15	- 5.19
Metal,[1,2,6] electrolytic	lb.	.12	- .12½
Naphthanate, 6%-8% Cu, 50-gal. dms.	lb.	.15	- .17
Nitrate,[6] tech., cryst., bbls.	lb.	.16¾-	.20
Oleate, precip., bbls.	lb.	.22½-	.29½
Oxide,[6] black, bbls., works	lb.	.19	- .28
red, com'l, kgs.	lb.	.20	- .22
Oxychloride-sulphate,[6] bgs.	lb.	.17	- .20
Resinate, precip., 8.3% Cu, 125-lb. dms.	lb.	.15½-	.16
Sulphate,[1,6] 99% cryst., bbls., c.l., works	100 lbs.	5.00	- —
7,200 to 36,000 lbs.	100 lbs.	5.15	- —
Copper sulphate, 99% cryst., bbls., 2,700 to 7,200 lbs.	100 lbs.	5.25	- —
700 to 2,700 lbs.	100 lbs.	5.50	- —
monohydrated, dealers, dms., c.l., works.	100 lbs.	8.95	-10.05
bags in drums.	100 lbs.	9.95	-10.95
Copperas, cryst., gran., bgs., c.l., works.	ton.	17.00	- —
bbls., c.l., works	ton.	20.00	- —
l.c.l., 25, works	100 lbs.	1.55	- —
1-4, works	100 lbs.	2.00	- —
bulk, c.l., works	ton.	14.00	- —
Copra, Coast, ship't	lb.	No prices	
Coriander seed,[1] Indian, bgs.	lb.	No stocks	
Morocco, bgs.	lb.	No stocks	
Cornsilk, bls.	lb.	.24	- .25
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd.	100 lbs.	3.605	- —
slabs, bbls., c.l.	100 lbs.	3.525	- —
Syrup, 42°, bbls., c.l.	100 lbs.	3.681	- —
43°, bbls., c.l.	100 lbs.	3.731	- —
Corrosive sublimate,[3] cryst., dms., 50 lbs. or more	lb.	1.94	- —
gran., powd., dms., 50 lbs. or more	lb.	1.79	- —
Cottonroot bark, bls.	lb.	.18	- .19
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd.	unit-ton.	1.00	- —
Meal,[1] 41% protein, Memphis, c.l.	ton.	45.00	-49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more	lb.	2.75	- —
smaller lots.	lb.	2.90	- 3.10
Cramp bark, NF, bls.	lb.	.60	- .65
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't.	lb.	.57½-	—
smaller lots, bbls.	lb.	.58	- —
kgs.	lb.	.58½-	—
Creosote carbonate, bots., cbys.	lb.	2.10	- 2.39
Coaltar, oil,[2] crude, tank, works.	gal.	.15½-	—
refd., bbls., l.c.l., works.	gal.	.26	- —
tanks, works.	gal.	.18	- .18½
solution, tanks, works.	gal.	.141	- —

When every second *counts*

Through the windows of the waistline tower in any big railroad switch yard you see an unending stream of traffic pouring in both directions. The senior towerman may supervise close to two hundred moves in a single hour. At the rate of three per minute he must visualize every track, every siding, every spur and derail . . . he must make every second count.

Troops must be moved to embarkation ports . . . guns and ammunition transported to our armed forces . . . fuel oil for ships and gasoline for our air forces must be delivered without delay.

Increasing war demands threaten a critical situation for freight transportation, especially tank cars. You can help to avert it by speeding the turn-around of these cars . . . by making every second count.

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
GRANT BUILDING • PITTSBURGH 19, PA.

CHICAGO • • • BOSTON • • • ST. LOUIS • • • PITTSBURGH • • • NEW YORK • • • CINCINNATI
CLEVELAND • • • MINNEAPOLIS • • • PHILADELPHIA • • • CHARLOTTE

COLUMBIA SPOTLIGHT

1,000 U. S. BOMBERS over Berlin may consume 1,200,000 gallons of gasoline—the capacity of a train of 120 tank cars. A fighter plane uses 100 gallons of gasoline in an hour . . . our big four-engine bombers eat up just twice as much. And a single mechanized division in action may use two tank cars of fuel per hour. No wonder these cars are at a premium!

THE INCREASING TEMPO of the war in the Pacific and the absence of pipe lines to our west coast are placing additional burdens on the rail transportation by tank car of fuel oil and gasoline destined for this theater. Each American soldier overseas requires an average of 30 gallons of petroleum products per week. The delivery of supplies alone involves enormous quantities of fuel . . . each Liberty Ship burns about 40 tank cars of fuel oil for the Australasia round trip.

COLUMBIA TANK CARS are working overtime, too, supplying the Liquid Caustic Soda and Liquid Chlorine essential in the manufacture of so many war materials. Incidentally, Columbia introduced the special car which first made practical the transportation of 73% Liquid Caustic Soda without metallic contamination. Principal features of this car are the heavy insulation which keeps the liquor from freezing and the special lining. The use of 73% Liquid Caustic Soda has enabled Columbia customers to save many thousands of dollars.

THANKS to Columbia customers for their splendid co-operation in handling tank cars which—combined with Columbia's stepped-up loading schedules, increased supervision and expediting of equipment—resulted in a 1943 turn-around performance that was excellent in view of transportation conditions. We know that all customers will co-operate with us toward a still better record so necessary to the war effort.

COLUMBIA CHEMICALS include Soda Ash, Caustic Soda, Sodium Bicarbonate, Liquid Chlorine, Silene EF (Hydrated Calcium Silicate) Calcium Chloride, Soda Briquettes, Modified Sodas, Caustic Ash, Phosflake, Calcene T (Precipitated Calcium Carbonate) and Calcium Hypochlorite.

Creosote, wood, beech, bots....lb. 1.04 - —
cbys., dms.....lb. .85 - —
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 99%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. drums, works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs. 10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .09½- —
smaller lots, works.....lb. .09¼- —
Cube root,[2,6] powd., 5% rotenone, bbls..lb. .35 - —
4% rotenone prices are 4c. per lb. less.
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cyanamide,[6] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.52½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —
Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09½- —

Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclohexanol, 98-100%, works..lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. alld. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —

Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclopropane, USP, cyls., dlvd.. gal. .27 - —

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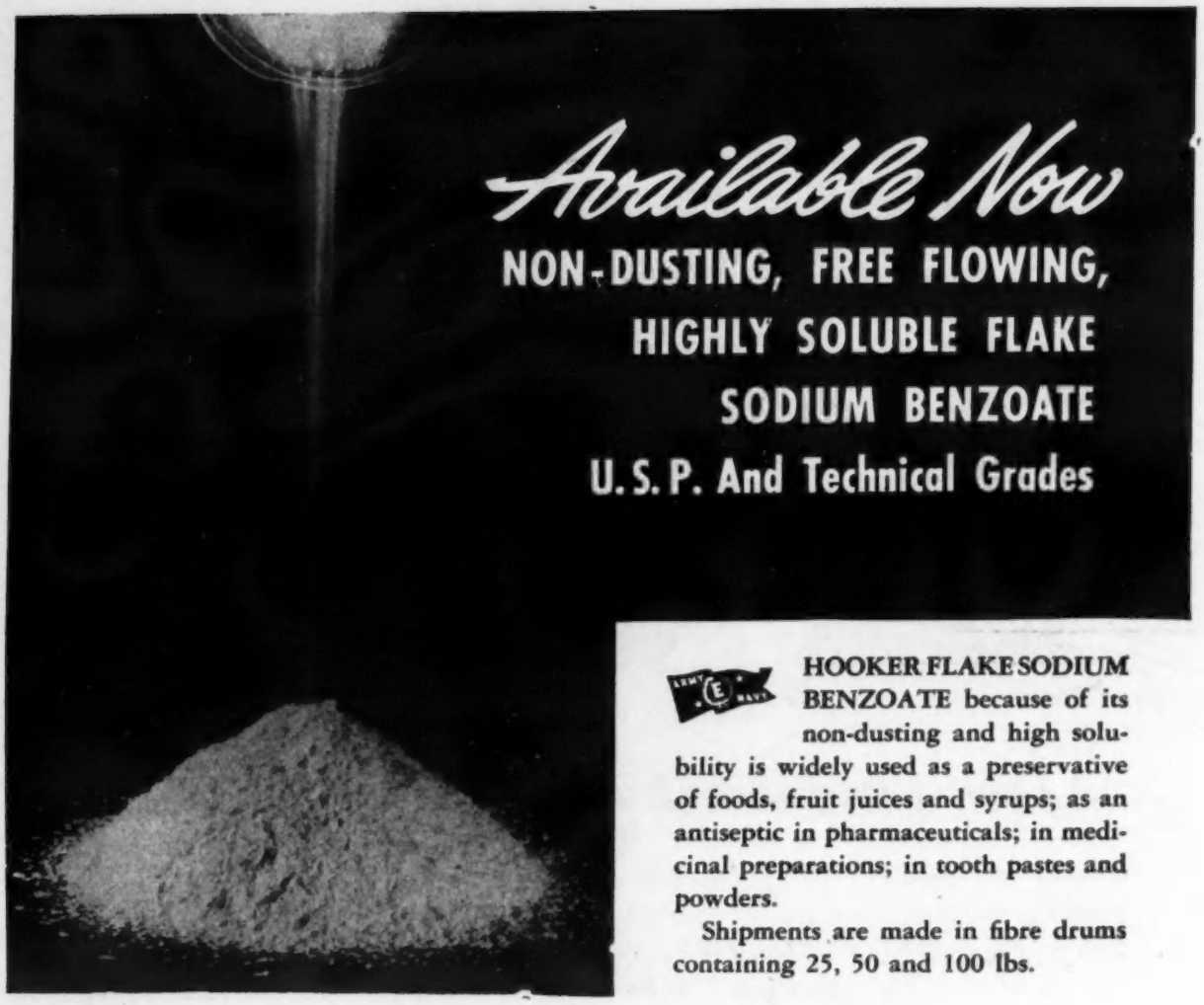
Damiana leaves, bls.....lb. .16 - .17
Dandelion root, bls.....lb. .26 - .33
Decanol,[6] normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .23 Nom.
Defluorinated phosphate,[1] paper bgs., works..ton. 34.25 - —
Degras,[1,6] common, bbls.....lb. .10 - .12
neutral, bbls.....lb. .27½- .29
Derris root,[2,6] powd., 5% rotenone, bbls..lb. .35 - —
4% rotenone prices are 4c. per lb. less.
Dextrin, British gum, bgs., c.l., 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l....100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP., bgs., c.l., Atlantic Coast, lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast, ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., Atlantic Coast..ton. 35.00 - 39.00
l.c.l., ex whse.....ton. 85.90 - 90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2640- —
1-gal. cns., same basis..lb. .2840- —
dms., c.l., same basis....lb. .1780- .2450
l.c.l., same basis.....lb. .1830- .2500
tanks, same basis.....lb. .1680- .2350
Sebacate, dms., works.....lb. .497 - .517
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works, lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] dms., c.l., works..lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14 - —
Diethyl carbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .3020- —
l.c.l., dlvd.....lb. .3070- —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2060
Sulphate, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works, lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol,[6] dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether,[6] dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .60 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dilseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. No stocks
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1875- —
l.c.l., dlvd.....lb. .1925- —
tanks, dlvd.....lb. .1775- —
Dimethylaniline, dms., c.l.....lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluylguanidin,[6] dms., tons, dlvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms., works.....gal. .56 - .54
tanks .....gal. .52 - —
dest., dist., dms.....gal. .55 - .56
tanks .....gal. .45 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons, lb. .35 - —
Dimethylethyl carbinol (see Carbinol).
smaller lots.....lb. .36 - .37
Divi-divi[6] bgs., ex dock.....ton. 65.00 - 70.00
Doggrass root, imp., cut, NF, bls..lb. .50 - .55
dom., bls.....lb. .36 - .45
Dogwood bark, Jamaica, bls...lb. .15 - .20
Dover's powder, USP, cns....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns....lb. 13.50 - —
Green, FD&C green, No. 1 cns., lb. 13.50 - —
FD&C green, No. 2, cns...lb. 17.50 - —
FD&C green, No. 3, cns...lb. 27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors) for drugs and cosmetics:—
Black, D&C black, No. 1, cns., lb. 8.35 - —
Blue, D&C blue, No. 6, cns...lb. 13.50 - —
Brown, D&C brown, No. 1, cns., lb. 12.35 - —
Green, D&C green, No. 5, cns., lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.85 - —
D&C orange, No. 11, cns...lb. 17.35 - —
Red, D&C red, No. 5, cns...lb. 6.00 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb. 18.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb. 10.35 - —
Dyes, coaltar (certified colors), for external use, drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext. D&C green, No. 1, cns..lb. 12.35 - —
Red, Ext., D&C red, No. 1, cns..lb. 10.35 - —
Ext. D&C red, No. 3, cns..lb. 21.35 - —
Ext. D&C red, No. 6, cns..lb. 7.35 - —
Ext. D&C red, No. 10, cns.lb. 12.35 - —
Ext. D&C red, No. 13, cns.lb. 12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses[6] (numbers are those of Colour Index scale):—
36 Chrome yellow, 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
206 Fast red blue R.....lb. .75 - 2.00
210 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85



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NON-DUSTING, FREE FLOWING, HIGHLY SOLUBLE FLAKE SODIUM BENZOATE

U.S.P. And Technical Grades

HOOKER FLAKE SODIUM BENZOATE because of its non-dusting and high solubility is widely used as a preservative of foods, fruit juices and syrups; as an antiseptic in pharmaceuticals; in medicinal preparations; in tooth pastes and powders.

Shipments are made in fibre drums containing 25, 50 and 100 lbs.

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NIAGARA FALLS, N. Y.
New York, N. Y • Tacoma, Wash. • Wilmington, Calif.

Hooker CHEMICALS

5436

Dyes, coaltar, for general uses (numbers are those of Colour Index Scale):—
320 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F.....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
531 Direct black EW.....lb. .50 - .54
542 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
606 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow...lb. 2.00 - 2.25
845 Nigrosin (water soluble) lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Black:—
865 Nigrosin derivatives..lb. .36 - .44

Blue:—
7075 Alizarin astral base.lb.15.00 —
1078 Alizarin cyanin, green base..lb. 6.00 - —

Brown:—
Brown .....lb. 1.15 - —

Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —

Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —

Yellow:—
15 Amidoazobenzene yellow...lb. .90 - —
17 Amidoazotoluene yellow. . lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 8c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Blue:—
714 Patent blue A.....lb. 1.03 - 1.10

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 8c. per lb. higher, f.o.b. sellers' works or warehouse).

Brown:—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
332 Bismarck brown R..lb. .47 - .62
798 Phosphin .....lb. 4.65 - —

Green:—
5 Naphthol green B....lb. 1.00 - —
557 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol Red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —

Red:—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
170 Fast red A[6].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .66 - —
252 Brilliant crocein M...lb. .66 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow....lb. 1.25 - —
638 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 8c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
864 Nigrosin .....lb. .36 - .44

Blue:—
860 Indulin .....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base..lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
900 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. No stocks
Egg[1] albumen (see Albumen).
Yolk, dried, dom.....lb. 1.05 - 1.15
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .59 - .60
Elecampane root, bls.....lb. .18 - .19
Elm bark, grinding, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .25 - .26
select, bndls.....lb. .26 - .27
Emetine[6] hydrochloride, bots..oz.21.00 -33.00
Ephedra, bls.....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.45
synthetic, USP, anhyd., bots., 100 ozs..oz. .65 - —
Hemihydrate, bots., 100 ozs. oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .75 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst, bgs., c.l.....100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.00 - —
kgs, c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
Ergot, USP, dms.....lb. 1.40 - 1.45
Eserine, bots.....oz. No prices
Sulphate, 1-gram vials.....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., divd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP anethesia, hospitals, 1-lb. cns..lb. .60 - .61
synthetic, dms., c.l., works.lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[3,6] 85-90%, dms., c.l., frt. alld..lb. .1170- .1275
l.c.l., frt. alld.....lb. .1220- .1325
tanks, frt. alld.....lb. .1070- .1175
95-98%, dms., c.l., frt. alld.. lb. .1225- .1335
l.c.l., frt. alld.....lb. .1275- .1385
tanks, frt. alld.....lb. .1125- .1235
NF, dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., wks.lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., divd. E....lb. .58 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.25 - 3.85
Formate, dms., f.o.b. Agnue, Calif..lb. .28 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Ethyl myristate, dms., works..lb. .55 - —
Oenanthate, dms.....lb. .75 - 1.25
Oleate, dms., works.....lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose,[4] standard, pkgs., 5,000 lbs. or more, works.lb. .50 - —
smaller lots, same basis....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride,[3] dms., c.l., works, E. of Rockies, frt. alld..lb. .0842 - —
West of Rockies, same basis..lb. .0891- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, E. of Rockies, same basis..lb. .0742- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol,[3,6] dms., c.l....lb. .10 - —
l.c.l. .....lb. .11 - —
tanks .....lb. .09 - —
Monobutylether,[6] d m s., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .16½
tanks, works.....lb. .13½- —
Monoethylether acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylethanolamine, d m s., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylmorphine hydrochloride, bots..oz.10.55 -10.75
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more. lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.50 - 3.00
Eucalyptus leaves, bls.....lb. .10 - .13
Eugenol, cns., dms.....lb. 2.25 - 3.20
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, c.l., works..ton.14.00 -17.50
bgs., min. 2 tons.....ton.17.00 -20.50
glass, 20 mesh, bulk, c.l., wks. ton. 9.75 - 12.25
bgs., l.c.l., min. 2 tons..ton.12.75 -16.25
pottery, bulk, c.l., works...ton.17.00 -19.00
l.c.l., bgs., min. 2 tons..ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. No stocks
Indian, bgs.....lb. .15¾- .16¾
Fenugreek seed, domestic, bgs.lb. .15½- .16
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Ferric sulphate, anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .12½- —
smaller lots, works.....lb. .15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- —
smaller lots, works.....lb. .17 - —

SPOT DELIVERIES

ZINC CHLORIDE SOLID

Tricalcium Phosphate
Dicalcium Phosphate Food Grade
Heavy Calcined Magnesia
Tannic Acid, U.S.P.
Zinc Sulfate

MALT SYRUP

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Fir balsam, Canada, cns.....gal. 19.00 - 20.00
Oregon, bbls.....gal. 2.35 - 2.50
Fishberries, bgs.....lb. .23 - .24
Fishmeal,[1] grd., 60% protein, bgs., E. works..ton. 72.50 - —
65% protein, same basis..ton. 78.50 - —
Fishscrap, dried, 60% protein, bulk, East Coast..ton. 66.50 - —
Flake, white, bbls.....lb. .09 - —
kegs.....lb. .11 - —
Fleaseed, French, black, bgs..lb. .70 - .73
Indian, blonde, bgs.....lb. .13 - .16
Fluorspar,[1] No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net ton. 37.00 - —
washed gravel, 70% or more CaF_2, mines..net ton. 33.00 - —
65%, mines.....net ton. 32.00 - —
60%, mines.....net ton. 31.00 - —
less than 60%, mines..net ton. 30.00 - —
Formaldehyde,[1,3,6] bbls., c.l., works..lb. .0550 - .0575
l.c.l., works.....lb. .06 - .0625
dms., c.l., works.....lb. .0515 - .0540
l.c.l., works.....lb. .0565 - .0590
tanks, works.....lb. .04 - .04½
Fringetree bark, bls.....lb. No stocks
Fuller's earth, dom., powdered, bgs., c.l., Fla., Ga. mines.. ton. 8.50 - 15.00
Tex. mines.....ton. 12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago.....ton. 4.00 - —
imp., bgs., c.l.....ton. 30.00 - 40.00
Furfural,[6] ref., dms., c.l., works. lb. .13 - —
l.c.l., works.....lb. .17½ - .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, crude, dms., works..gal. .75 - —
refd., dms., dlvd.....lb. .18½ - .19½
Fustic, cryst., No. 1, bbls....lb. .32 - —
No. 2, bbls.....lb. .30 - —
No. 3, bbls.....lb. .28 - —
extract, No. 1, bbls.....lb. .16 - —
No. 2, bbls.....lb. .15 - —
No. 3, bbls.....lb. .12½ - —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .30 Nom.
Gambier, cube, Singapore, cs., lb. No stocks
extract, bbls.....lb. No stocks
Gasoline[1] at refinery, ex tax:—
Arkansas, US motor, 72-74 octane, leaded, tanks..gal. .06 - —
Bayonne, 70 oct., tanks...gal. .092 - —
72-74 octane.....gal. .092 - .094
California, 78 oct., tanks..gal. .07½ - —
Gulf Coast, US motor, 72-74 octane, tanks..gal. .05¾ - —
80 octane, tanks.....gal. .06¾ - .07
Group 3, 72-74 octane, leaded, tanks..gal. .06¾ - .07
80 octane, tanks.....gal. .07¼ - .07½
natural, 26-70, tanks....gal. .04¾ - .05
Oklahoma-Texas, US motor, 72-74 octane, tanks..gal. .05½ - .06
Pennsylvania, western, U. S. motor 70-72 octane, leaded, tanks..gal. .06¼ - .06½
Gelatin, silver, cs.....lb. .90 - .97
Gelsemium root, bls.....lb. .19 - .20
Gentian root, bls.....lb. .43 - .45
grd., bbls., bxs.....lb. .48 - .49
powd., bbls., bxs.....lb. .49 - .50
Geraniol, 92-96% cns., dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. No stocks
Calicut, bgs.....lb. .24½ - .25
Cochin, bleached, bgs.....lb. .25½ - .26
unbleached, bgs.....lb. .25½ Nom.
Ginger, Jamaica, No. 1, bgs...lb. .30 - .31
No. 2, bgs.....lb. .28 - .29
No. 3, bgs.....lb. .23 - .23½
Ginseng root, wild, South, cs..lb. 8.00 - 9.00
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., c.l., works. 100 lbs. 1.05 - 1.25
l.c.l., 5 tons up, works.... 100 lbs. 1.15 - 1.35
less than 5 tons, works. 100 lbs. 1.25 - 1.45
Glue, bone,[6] producers', calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
30/38, bgs., c.l., same basis..lb. .15½ - —
58/82, bgs., c.l., same basis..lb. .17 - —
82/108, bgs., c.l., same basis..lb. .18½ - —
Producers' bone glue l.c.l. prices 1c. over c.l.
hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .16 - .21½
122-149, bgs., c.l., dlvd....lb. .17 - .22½
150-177, bgs., c.l., dlvd....lb. .18 - .23½
178-206, bgs., c.l., dlvd....lb. .19 - .24½
207-236, bgs., c.l., dlvd....lb. .20 - .25½
237-266, bgs., c.l., dlvd....lb. .21 - .26½
267-298, bgs., c.l., dlvd....lb. .22 - .27½
299-330, bgs., c.l., dlvd....lb. .23 - .28½
331-362, bgs., c.l., dlvd....lb. .24 - .29½
363-394, bgs., c.l., dlvd....lb. .25 - .30½
395-427, bgs., c.l., dlvd....lb. .26 - .31½
428-460, bgs., c.l., dlvd....lb. .27 - .32½
461-494, bgs., c.l., dlvd....lb. .28 - .33½
495-529, bgs., c.l., dlvd....lb. .29 - .34½

Hide glue l.c.l., prices 1c. over c.l. Glue in bbls., ½c. over bgs. Outside prices rule on glues made wholly of imported materials; inside prices on glues made with approximately two-thirds domestic and one-third imported materials. Jobbers' prices 2c. to 3½c. over producers'. Chrome and coney glue, 267 or higher jellygram, c.l., 2c. over above prices; below 267 jellygram, 1c. higher. Freight charges above 75c. per 100 pounds may be added.

Glycerin,[1,3,5] CP, BP, 96%, dms., c.l., dlvd. Zones A and C..lb. .18¾ - —
l.c.l., same basis.....lb. .19¼ - —
tanks, same basis.....lb. .18½ - —
USP, 95%, dms., c.l., same basis..lb. .18¾ - —
l.c.l., same basis.....lb. .18¾ - —
tanks, same basis.....lb. .18 - —
dynamite, high gravity, yellow distilled, dms., c.l., same bases..lb. .18¼ - —
l.c.l., same basis.....lb. .18¾ - —
tanks, same basis.....lb. .18 - —

Chemically pure and dynamite glycerin are sold to the U. S. government at prices 1c. lower than above.

saponification, 88%, to refiners, dms., c.l., l.c.l., or tanks, same basis..lb. .12¾ - —
to individual users, dms., c.l., same basis..lb. .13¾ - —
l.c.l., same basis.....lb. .14¾ - —
tanks.....lb. .12¾ - —
soaplye, 80%, dms., tanks, c.l., l.c.l., lb. .11½ - —

Glycerin prices in Zone B, 2c. higher.

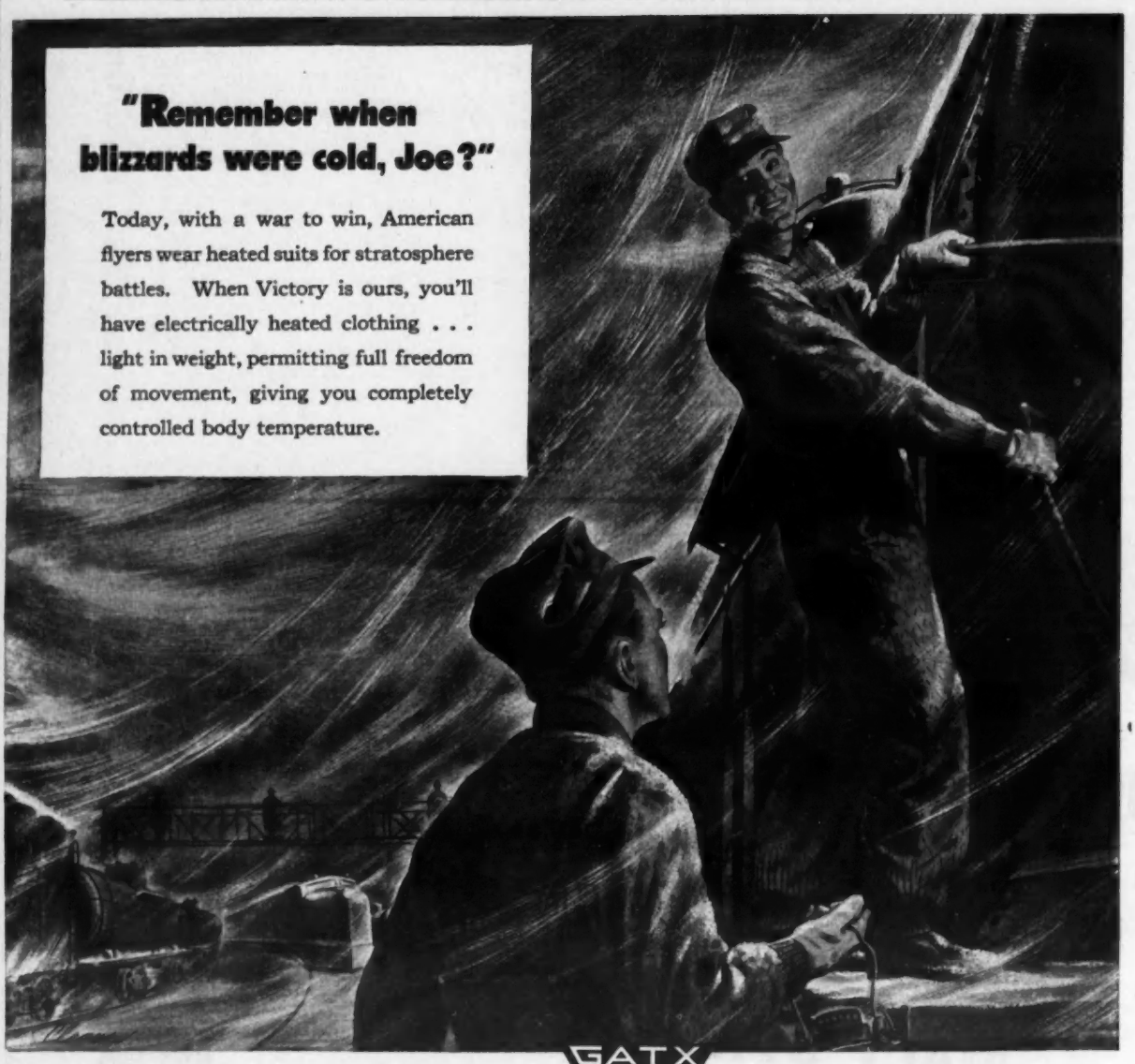
Zone A is:—Col., east of but not including these counties:—Costilla, Custer, Douglass, Fremont, Gilpin, Grand, Huerfano, Jackson, Jefferson, and Teller; all points east of and including Kan., Neb., N. Dak., Omaha, S. Dak., Texas, and Laramie county, Wyo. Zone B is territory between Zone A and C, as follows:—Ariz., Col., west of and including counties specified above Nev., New Mex., Ore., east of and including these counties:—Deschutes, Hood River, Jefferson, Klamath, and Wasco; Wash., east of and including these counties:—Chelan, Kittitas, Kilchat, Okianogan, and Yakima.

Zone C, territory west of Zone B.

Glycine, medicinal, bbls., tins..lb. 1.25 - 1.55
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks
Gold chloride, acid-brown, bots., oz. 20.75 - 21.00
acid-yellow, bots.....lb. 18.75 - 19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots.....oz. 14.50 - 14.75
Goldenseal root, bls.....lb. 6.00 - 6.25
powd., bxs.....lb. 6.25 - 6.50
Grains of Paradise, bgs.....lb. .21 - .25
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., works...lb. .04½ - —
70-75%, bgs., same basis..lb. .05 - —
75-80%, bgs., same basis..lb. .05½ - —
80-85%, bgs., same basis..lb. .06 - —
85-90%, bgs., same basis..lb. .07 - —
90% and up, same basis...lb. .08 - —
Grease,[1,5] house, loose.....lb. .08¼ - —
white, choice, loose.....lb. .08¾ - —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..lb. 3.75 - —
molybdic, same basis.....lb. 3.25 - —
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
11-15%, bbls., same basis.lb. .25 - —
20%, bbls., same basis...lb. .25½ - —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½ - —
31-35%, bbls., same basis.lb. .27½ - —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½ - —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾ - —
9-10%, bbls., same basis.lb. .07½ - —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼ - —
17-19%, bbls., same basis.lb. .08½ - —
20-21%, bbls., same basis.lb. .08¾ - —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼ - —
26-27%, bbls., same basis.lb. .09½ - —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10½ - —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½ - —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½ - —
61-65%, bbls., same basis.lb. .19 - —
66-70%, bbls., same basis.lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Green, chrome, prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast: for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Oxide,[6] pure, dms., works..lb. .24 - —
Malachite,[1] thioflavin toner, tungstic, bbls., works..lb. 3.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, green).
Grindelia robusta, bls.....lb. .19 - .20
Guaiac resin, cs.....lb. .48 - .49
Wood, bls.....lb. .05 - .06
Guaiacol, liq., dms.....lb. 1.75 - 2.01
Carbonate, fib. dms.....lb. 2.40 - 2.74
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
smaller lots.....lb. .58 - .73½
Guarana, powd., cs.....lb. No prices
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber, sorts, bgs....lb. .13 - .13½
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal, Congo, sorted No. 30, bgs., c.l., ex dock, whse.lb. .55¾ - —
31, bgs., same basis....lb. .21¼ - —
32, bgs., same basis....lb. .15¾ - —
33, bgs., same basis....lb. .14 - —
34, bgs., same basis....lb. .09¼ - —
35, bgs., same basis....lb. .15⅞ - —

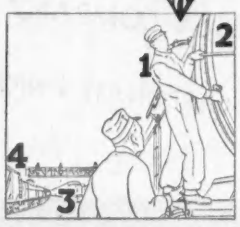

"Remember when blizzards were cold, Joe?"
Today, with a war to win, American flyers wear heated suits for stratosphere battles. When Victory is ours, you'll have electrically heated clothing . . . light in weight, permitting full freedom of movement, giving you completely controlled body temperature.

GATX GENERAL AMERICAN

PART OF THE PICTURE OF AMERICA TOMORROW

1 *Weatherproof clothing* — of war-born synthetic fabrics, made in plants using process equipment manufactured by the General American Plate & Welding Division.

2 *New, improved fuels* — will be carried in new types of General American tank cars, specifically designed for them.



3 *Plastics* — chemicals for their manufacture stored safely, economically in five General American Tank Storage Terminals.

4 *Perishable foods* — protected at shipping point by General American Precooling service, kept fresh en route in General American refrigerator cars.

GENERAL AMERICAN TRANSPORTATION CORPORATION
CHICAGO

Duraglas*

master salesman of the world tomorrow

★

Practical pre-postwar planning for YOU

WISH to do some practical pre-postwar planning, or preparation, whichever you prefer to call it?

It is simple, especially if your product is or can be packaged in bottles or jars . . .

Every improvement on your production line . . . every lowered cost . . . every step in modernization . . . every device to make your product more saleable can be a part of your plans to meet the roaring competition of peace.

Pre-postwar planning, we call it, because you begin to benefit now instead of having to wait until the war ends.

Duraglas containers serve all the way from the production line to consumers' hands. They are designed to be practical in processing and convenient in use—and because of their qualities of visibility and cleanly appearance, help your good product sell itself.

YOUR PRODUCTS
are part of the sales picture when packaged in smartly designed Duraglas stock bottles with labels that subtly or massively portray the impression you wish to make on customers. Help you maintain and enhance your individuality.

Packaging by the clear-vision, sparkling, impervious glass method . . . means selling by sight.

Glass sells products by sight—sight of the product. That will be important to many industries in moving more goods when business has to move far more volume to keep American men and women happily at work at war's end.

★ ★ ★

Tune in "Broadway Matinee," presented by Owens-Illinois in cooperation with your government, on 120 Columbia network stations, every day, Monday through Friday. 4 P.M., E.W.T.; 3 P.M., C.W.T.; 2 P.M., M.W.T.; 1 P.M., P.W.T.

OWENS-ILLINOIS
GLASS COMPANY

*Duraglas,—containers that give a lift to living

★

Gum, copal, Congo, sorted, No.
36, bgs., same basis....lb. .12⅝- —
37, bgs., same basis....lb. .18½- —
38, bgs., same basis....lb. .12¼- —
39, bgs., same basis....lb. .10⅝- —
40, bgs., same basis....lb. .08 - —
41, bgs., same basis....lb. .11⅝- —
unsorted, No. 1, bgs., c.l., same basis..lb. .14⅝- —
2, bgs., c.l., same basis..lb. .12⅝- —
3, bgs., c.l., same basis..lb. .11⅛- —
FAD, bgs., c.l., same basis. lb. .14⅛- —
East India,[1] batu, bold, scraped, bgs., c.l., same basis..lb. .10½- —
unscraped, same basis.lb. .09 - —
chips, same basis...lb. .12 - —
dust, same basis....lb. .06½- —
batu, bold, unscraped, nubs and chips, same basis..lb. .05¾- —
black, bold, scraped, bgs., unscraped, same basis..lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17¾- —
chips, same basis...lb. .11½- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .13⅜- —
Singapore, Rasak, bold, bgs.,same basis..lb. .22⅝- —
chips, same basis...lb. .11¾- —
dust, same basis....lb. .05½- —
nubs, same basis...lb. .16⅜- —
Macassar,[1] dust, bgs., c.l., same basis..lb. .07⅜- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
WS, bgs., same basis....lb. .11¾- —
Manila, Borneo,[1] hard, bold, amber, light, bskts., c.l., same basis..lb. .13½- —
dark, light, same basis, lb. .14½- —
white, same basis.....lb. .15½- —
Loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13⅜- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
loba, D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08⅜- —
dust, same basis.....lb. .07⅝- —
MB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .15½- —
dust, same basis.....lb. .07⅝- —
whse., entry point, c.l., lb. .08⅛- —
Philippine,[1] Manila, extra bold, pale scraped, bskts., same basis..lb. .15 - —
bold, pale scraped, same basis..lb. .15 - —
extra pale, bold sorts, same basis..lb. .12¾- —
pale chips, bold, same basis..lb. .13 - —
nubs, WCB, same basis, lb. .12¾- —
seeds, dust, same basis..lb. .08¾- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11¾- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23⅝- —
mixed, same basis.....lb. .17¾- —
chips, small, same basis..lb. .12¾- —
cuttings of split, same basis. lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l. prices ¼c. to ½c. higher.

Gum, dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .28⅝- —
A/E, same basis.....lb. .25⅝- —
B, same basis.....lb. .34⅜- —
C, same basis.....lb. .28⅝- —
D, same basis.....lb. .25⅝- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13⅜- —
Singapore,[1] No. 1, cs., c.l..lb. .30⅝- —
2, bgs., same basis.....lb. .25 - —
No. 1, ,3, bgs., same basis.lb. .12⅝- —
chips, cs., same basis...lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17⅝- —
Gum dammar, l.c.l. prices, ¼c. to ½c. higher.
Elemi,[1] cns.....lb. .09¼- .09¾
Ester, ord., dms., c.l., divd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .09½- —
other points, divd....lb. .10 - .11
l.c.l., divd. Ill., Ind., etc., lb. .09¾- .10
other points, divd.....lb. .10½- .12
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .16 - .40
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse.. lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1 extra, same basis....lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2 extra, same basis....lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
bush, assorted, same basis..lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
8x, same basis.....lb. .65⅛- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. 1.25 Nom.
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .60
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .30
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs., ex dock, whse. lb. 1.40 Nom.
Scammony, cs.....lb. 1.80 - 1.95
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 4.75
No. 2, cs.....lb. 4.00 - 4.25

Gum, tragacanth, No. 3, cs....lb. 2.75 - 3.00
Yacca,[1] red gum, course, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald., ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton.8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 3.25 - 3.35
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. No stocks
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bbls., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[1,5] 25% tan, c.l., bbls., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.65 - 1.75
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .13 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .13 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....lb. .23 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[1,6] tech., dms., 1,500 lbs. up, Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., same basis. lb. .33 - —
USP, dms., 500 lbs. or more, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works..lb. .26 - —
Homatropine hydrobromide, bots., oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit. 4.50 - 4.75
Hops, NF, bls.....lb. .50 - 1.50
Horehound, bls.....lb. .12 - .14
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.20.00 - —
Hydrastinine, 15 gra., bots...bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide,[6] USP, bbls., lb. .08¾- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18¼
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.75 - 9.00
dms., extra, ref'ables, divd...lb. 4.50 - —
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.20.00 -37.50
Hydrobromide, bots.....oz.20.00 -37.50
Sulphate, bots.....oz.20.00 -37.50
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
Extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

I

Icthammol, N.F., bots.....lb. 2.45 - 4.50
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.26.50 -27.50
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs., net.....lb. 1.28¾- —
resubl., 5-lb. bots., jars.....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs...lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ipecac[6] root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls...lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd. .....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .18 - —
solut., USP IX, 100-lb. cbys., lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 300-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08

ENCO SOLICITS INQUIRIES
for
TARTARIC ACID
LACTIC ACID
CREAM OF TARTAR
BENZOATE OF SODA
ENCOLOID (SOYA LECITHIN)
BLEACHING POWDER
PHOSPHORIC ACID
CHLORATE OF POTASH
ENCO CHEMICAL CORPORATION
FORMERLY NEUBERG CHEMICAL CORP.
441 LEXINGTON AVENUE • • NEW YORK 17, N. Y.
MU-6-1990
NEUBERG CHEMICALS

Iron chloride, USP X, cryst., lump, bbls.	lb.	.07½- —
dms.	lb.	.08½- —
solut., NF, cbys., works, frt. alld. or equald.	lb.	.06½- .07½
djns.	lb.	.10 - —
Citrate, USP VIII, pearls, dms.	lb.	.70 - .75
powd., cns.	lb.	.84 .87
Glycerophosphate, bbls., 1,000-lb. lots.	lb.	3.30 - —
100-lb. lots.	lb.	3.40 - —
cns., 25 lbs.	lb.	3.52 - —
Hyposulphite, bbls., dms.	lb.	1.50 - 1.52
Iodide, bots.	lb.	3.18 - 3.32
syrup, bots., cbys.	lb.	.39 - .53
Naphthenate, 6% Fe, 50-gal. dms.	lb.	.15 - —
Nitrate, red, tech., dms.	lb.	.03½- .04
Oxalate, gran., dms.	lb.	.83 - .85
powd., cns.	lb.	.52 - —
kgs.	lb.	.47 - .49
Oxide, black (see Black iron oxide).		
Phosphate, ferric, N.F., pearls, cns.	lb.	.54 - .57
Pyrophosphate, pearls, cns.	lb.	.59 - .62
Reduced, 90%, kgs.	lb.	.65 - .75
Resinate, 7.4% Fe, 100-lb. dms.,	lb.	.17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).		
USP, cryst., bbls., dms.	lb.	.05½- .11
Tallate, 4% Fe, 50-gal. dms.,	lb.	.10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.	lb.	.33 - .38
scales, dms.	lb.	.49 - .52
Oxalate,[6] bbls.	lb.	.23½- —
dms., kgs.	lb.	.25½- —
Iron-soda oxalate, bbls., dms.	lb.	.23½- .26½
Isobornyl triocyanoacetate, cbys., dms., extra, works.	gal.	4.95 - —
Isobutyl acetate,[6] dms., works.	lb.	.0560- —
tanks, works.	lb.	.0760- —
Propionate, dms., works.	lb.	.102 - —
Isopentane, dms., works.	gal.	.45 - .55
Isophorone, dms., works.	lb.	.95 - —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld.	lb.	.41 - —
l.c.l., E. of Rockies, frt. alld.	lb.	.11½- .12
tanks, E. of Rockies, frt. alld.	lb.	.10 - —
Alcohol (see Alcohol).		
Ether, dms., c.l.	lb.	.06 - —
l.c.l.	lb.	.06½- —
tanks	lb.	.04½- —
Isopropylamine, dms., works.	lb.	.35 - —

J

Jaborandi leaves, bls.	lb.	.09 - .10
Jalap root, NF, bls.	lb.	.45 - .62
powd., bbls., bxs.	lb.	.52 - .53
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, dom., bgs.	lb.	.55 - .60
imp. (Juniperus communis), bgs.	lb.	.70 - —

K

Kamala, tins.	lb.	.42 - .45
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.23 - .24
Kerosene at refinery:—		
Ark., 41-43 w.w., bulk, tanks,	gal.	.04½- .04¼
Bayonne, 41-43 w.w., tank.	gal.	.071 - —
Gulf ports, 41-43 w.w., bulk.	gal.	.04½- .04¼
Okla.-Texas, 42-44 w.w., tanks.	gal.	.04⅝- .04⅝
Penn., 45 w.w., tanks.	gal.	.07½- .08
46 w.w., tanks.	gal.	.07¼- .07⅝
47 w.w., tanks.	gal.	.07⅝- .08
San Francisco, tanks.	gal.	.11½- —
Kola nuts, bgs.	lb.	.09 - .10

L

Lady slipper root, bls.	lb.	1.25 - 1.50
Lanolin (see Adeps lanae).		
Lard,[1,5] city, trcs.	100 lbs.	13.80 - —
Western, choice, trcs.	100 lbs.	13.80 - —
Larkspur seed, bgs.	lb.	3.50 - 3.75
Laurel berries, bls.	lb.	.25 - .26
Leaves, Cyprus, bls.	lb.	.32 - .33
Greek, bls.	lb.	No stocks
Portuguese, bls.	lb.	No stocks
Turkish, bls.	lb.	.34 - .35
Lavender flowers, medium, bls.	lb.	.86 - —
ordinary, bls.	lb.	.45 - .50
select, bls.	lb.	.90 - .95
Lead,[1,3] (metal) (see paint market).		
Acetate,[1] white, broken, bbls.	lb.	.12½- —
cryst., bbls.	lb.	.12½- —
gran., powd., bbls.	lb.	.13¼- —
Arsenate,[1,8] paste, stand., cns., c.l.	lb.	.05¾- .06
l.c.l.	lb.	.06 - .06½
powder, basic, 3-lb. bgs. or larger, c.l.	lb.	.11½- .12
l.c.l.	lb.	.12 - .12½
1-lb. ctns., c.l.	lb.	.18½- .22½
l.c.l.	lb.	.19 - .23
standard, 3-lb. bgs. or larger, c.l.	lb.	.11 - .11¾
l.c.l.	lb.	.11½- .12
1-lb. bgs., c.l.	lb.	.16 - .20
l.c.l.	lb.	.16½- .20½
1-lb. ctns., c.l.	lb.	.18 - .22
l.c.l.	lb.	.18½- .22½
½-lb. ctns., c.l.	lb.	.21 - .25
l.c.l.	lb.	.21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07⅝- —
l.c.l., dlvd. E.	lb.	.07⅝- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08 - —
Carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.49 - —
Iodide, NF V, powd., bots.	lb.	2.80 - —
jars	lb.	2.69 - —
Linoleate, pale, precip., bbls.	lb.	.22½- —
Metallic paste, works.	lb.	.19¾- .21½
Naphthenate, 24%-30% Pb, 50-gal. dms.	lb.	.14¼- .17½
Nitrate, bbls.	lb.	.12½- —
Oleate, bbls.	lb.	.17¾- —
Peroxide, powd., tech., bbls.	lb.	.23 - —
Lead, red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼- —
Other points.	lb.	.09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¼- —
l.c.l., 5 tons, dlvd. Colo., Mont., N. Mex., Wyo. E.	lb.	.10 - —
other points.	lb.	.09½- —
smaller lots, Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10⅝- —
Colo., etc.	lb.	.10½- —
other points.	lb.	.10 - —
97%, Pb_3O_4, bbls., c.l., dlvd. Ala., etc.	lb.	.09½- —
other points.	lb.	.09¼- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10 - —
Colo., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10½- —
other points.	lb.	.09¾- —
smaller lots, dlvd. Ala.	lb.	.10⅜- —
Ariz., etc.	lb.	.11 - —
Colo., etc.	lb.	.10⅜- —
other points.	lb.	.10¼- —
93%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.09¾- —
other points.	lb.	.09½- —
Lead, red, 98%, Pb_3O_4, bbls., l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10⅜- —
Colo., etc.	lb.	.10½- —
other points.	lb.	.10 - —
smaller lots, dlvd. Ala., etc.	lb.	.10½- —
Ariz., etc.	lb.	.11¼- —
Colo., etc.	lb.	.11 - —
other points.	lb.	.10½- —
in oil, 95% min., kgs.	lb.	.14 - —
Resinate, precip., 23.3% Pb., 100-lb. dms.	lb.	.17½- —
Silicate, bgs.	lb.	.0730- .0780
Soyate, 26.15% Pb, 50-gal. dms.	lb.	.22¼- —
Stearate, bbls.	lb.	.31 - .33
Sulphate (see Lead, white, basic sulphate).		
Tallate, 16% Pb, 60-gal. dms.	lb.	.08¼- —
Titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, ans delivery, E., frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11½- —
l.c.l., smaller lots, E. frt. alld.	lb.	.11½- —
Pac. Cst., ex whse.	lb.	.11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Cali., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08½- —
other points.	lb.	.08¾- —
l.c.l., dlvd. Ariz., etc.	lb.	.08¾- —
other points.	lb.	.08½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc.	lb.	.07½- —
other points.	lb.	.07¼- —
l.c.l., dlvd. Ariz., etc.	lb.	.08 - —
other points.	lb.	.07½- —
in oil, consumers, kgs.	lb.	.13¼- .13¾
dealers, 100-lb. kg.	lb.	.11¼- .11¾
painters, 100-lb. kg.	lb.	.12¼- .12¾
Lecithin, edible, dms., c.l.	lb.	.28½- —
l.c.l.	lb.	.29 - .42
in cocoa butter, dms., c.l.	lb.	.40½- —
l.c.l.	lb.	.41 - .55
pure vegetable bots., 100-lb. lots.	lb.	2.75 - —
tech., dms., c.l.	lb.	.26 - —
l.c.l.	lb.	.26½- .27½
Lemon peel, bls.	lb.	.35 - .40
Licorice extract, mass, cns.	lb.	.25 - .72
powd., bbls.	lb.	.60 - .88
root, natural, Indian, bls.	lb.	.08 - .09
powder, bbls.	lb.	.14 - .15
Russian, bls.	lb.	.08½- .09
Spanish, bls.	lb.	.12 - .13
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—		
Adams, Mass.	ton.	8.00 - —
Annville, Pa.	ton.	7.50 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkley, W. Va.	ton.	7.50 - —
Carey, Ohio.	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.25 - —
Eagle Mountain, Va.	ton.	7.00 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio.	ton.	7.00 - —
Hannibal, Mo.	ton.	6.50 - —
Keystone, Ala.	ton.	6.25 - —
Knoxville, Tenn.	ton.	6.25 - —
Limedale, Ark.	ton.	7.00 - —
Longview, Ala.	ton.	6.25 - —
Manistique, Mich.	ton.	8.00 - —
Martinsburg, W. Va.	ton.	7.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	6.50 - —
Newala, Ala.	ton.	6.25 - —
Rincon, Cal.	ton.	13.00 - —
Ripplemead, Va.	ton.	7.00 - —
Riverton, Va.	ton.	7.00 - —

White Lead has *More* of the Properties that make Good Paint

What have all these books got to do with paint? After all, the proof of good house paint is the way it stands up against the weather.

* * *

But that's just the point. These volumes, on file at the National Lead Laboratories, contain the 27-year record of actual all-weather tests of white lead and other pigments. Made at our Paint Experiment Station at Sayville, Long Island, they represent the largest continuous "test fence" research of outside paint materials on record—comprising over two hundred and fifty volumes, dating back to 1917.

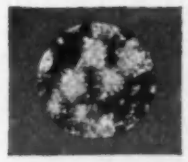
* * *

And what is the net of all this "book learning"? Simply this: that Basic Carbonate White Lead has *more* of the properties that go to make a top quality, well-rounded house paint than any other white pigment. And that these properties, listed at the right, are imparted to mixed paint formulations in well-balanced proportion.

* * *

Check any pigment against white lead for the number of ways it will contribute to your products. See for yourself why white lead is so universally used in formulating outside paints.

Check WHITE LEAD against any other Pigment for the number of Properties it Contributes to Paint	
1. MIXING AND GRINDING EASE	✓
2. PACKAGE STABILITY	✓
3. HIDING	✓
4. BRUSHABILITY	✓
5. LEVELLING	✓
6. DRYING ACTION	✓
7. WHITENESS	✓
8. FOOL-PROOFNESS	✓
9. FILM STRENGTH	✓
10. FLEXIBILITY	✓
11. TINT RETENTION	✓
12. ADHESION	✓
13. GLOSS	✓
14. WEATHER RESISTANCE	✓



One reason... LEAD SOAPS

Many of White Lead's paint making properties are traceable, in an important degree, to the formation of lead soaps by the reaction of white lead with the oil. White Lead produces a unique type of soap formation with a fibrous structure and multiple projections radiating from a central core. The photomicrograph shows how the soaps spread out and mechanically reinforce the paint film. These soaps help make a more completely bonded film, having greater toughness, flexibility, adhesion and weather resistance.

The tendency of white lead to combine with linseed oil also explains why this pigment wets easily and consequently mixes and grinds well.

The Dutch Boy offers *five* basic carbonate white leads, with varying degrees of oil absorption, hiding and paint-thickening power. Our technical staff will gladly give you the benefit of its many years of research in helping you decide which type best fits your particular product.

DUTCH BOY *Basic Carbonate* **WHITE LEAD**

NATIONAL LEAD COMPANY—*New York, Buffalo, Chicago, Cincinnati, Cleveland, St. Louis, San Francisco; Boston (National-Boston Lead Co.); Pittsburgh (National Lead & Oil Co. of Penna.); Philadelphia (John T. Lewis Bros. Co.)*

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.,
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 9.00 - —
hydrated, paper bags, f.o.b.
Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Rippiemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —
Spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Annville, Pa.....ton. 9.50 - —

Lime, spray, Bellefonte, Pa..ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 9.00 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen,[6] 20.5% N, bgs., works..ton.32.50 - —
Linalool, cns.....lb. 7.00 -10.85
Linalyl acetate, cns.....lb. 4.50 -11.85
Linden flors with leaves, bls...lb. .95 - 1.00
Linseed meal,[1] 34%, bulk, c.l.ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —
Litharge, com'l powd., bbls., c.l., divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —

Litharge, com'l., powd., bbls., l.c.l., smaller lots, divd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium[6] bromide, bbls., 100 lbs. works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone,[1] ordinary, bgs., (20 tons)..lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
titanate,[6] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., divd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .40 - .42
Lobeline sulphate, bots., wks..oz.25.50 -38.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage root, dom., bls.....lb. .45 Nom.
Lupulin, NF, tins.....lb. 4.75 Nom.
Lycopodium, USP, cs.....lb. 4.75 - 5.00

M

Mace,[1] Amboyna, cs.....lb. .77 - .78
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .63 - .64
broken, bgs.....lb. .55 - .56
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07½- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .06¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .06½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., divd. storedoor.
Chloride, anhyd., bbls., divd..lb. .13 - —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .18 - .20
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton.58.75 - —
dead-burned,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .23 - .26
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84-87%, bbls., 25-40 tons, works..ton.74.00 - —
5-15 tons, works..ton.77.00 - —
smaller lots, works... ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
85-90%, paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, 2 bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., divd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, 50-gal. dms..lb. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, 50-gal. dms. lb. .22 - —
Sulphate, anhyd., dms., works.. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., divd. East..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.66.50 - —
industrial grade, 90%, $MnSO_4$, bgs..lb. .05 - .05½
Tallate, 4% Mn, 50-gal. dms.. lb. .09 - —
Mangrove bark, if and when available, bgs., based on freight $19; insurance $2 per ton. Any difference for buyers' account. Current freight $18.20; WSA insurance $3.75 per ton..ton.63.00 - —
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Midwest shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Calif., bbls.....lb. .69 - .71
Chilean, bls.....lb. .36½- .37
Matico leaves, bls.....lb. .22 - .29
Menthol, natural, Brazilian, cs. lb.16.50 - —
synthetic, USP, cs.....lb.13.00 - —
technical.....lb. 6.00 - 6.50
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.25 - 1.27
50%, pails.....lb. 1.79 - 1.81
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] bots.....lb. 2.62 - —
dms.....lb. 2.49 - 2.51
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 3.50 - —
Iodide,[2] red, NF, bots.....lb. 4.26 - 4.31
dms., kgs.....lb. 4.20 - —
yellow, bots.....lb. 4.36 - 4.41
fib. dms., kgs.....lb. 4.30 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, NF VI, fib. dms...lb. 2.78 - 2.80
tech. (see Yellow, mercury oxide).
red,[2] NF (see Red, precipitate).
tech. (see Red, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.84 - 1.89
dms.....lb. 1.77 - 1.79
Mesityl oxide, dms., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks.....lb. .10½- —

Bemis MULTIWALL PAPER SHIPPING BAGS . . .

"SEWN WITH BEMIS SPECIAL THREAD, EH? SAY, THIS BAG IS CLOSED AS TIGHT AS A SCOTCHMAN'S POCKETBOOK"
"IT'S A SWELL ADVERTISEMENT--REGULAR BILLBOARD. AND BEMIS PRINTING MAKES IT STAND OUT ALMOST LIKE NEON LIGHTS"
"BEMIS MAKES ALL TYPES OF MULTIWALL BAGS — SEWN OR PASTED, VALVE OR OPEN-MOUTH"
"WHEN YOU SEE THE BEMIS BAG-MAKER'S CERTIFICATE, ON A BAG, YOU CAN BET IT EXCEEDS THE CONSOLIDATED FREIGHT CLASSIFICATION REQUIREMENTS. PLENTY TOUGH, SURE 'NOUGH"
Your Brand
"IF YOU NEED A REAL WATERPROOF, MOISTUREPROOF BAG, BEMIS HAS IT"
"BEMIS BAGS ARE TAILOR-MADE TO YOUR REQUIREMENTS"

BEMIS BAGS

BEMIS BRO. BAG CO.

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San Francisco, Calif. • Wilmington, Calif. • St. Helens, Ore.

Baltimore • Boston • Brooklyn • Buffalo • Charlotte • Chicago • Denver Detroit • Houston • Indianapolis • Kansas City • Los Angeles • Louisville Memphis • Minneapolis • New Orleans • New York City • Norfolk • Oklahoma City • Omaha • St. Louis • Salina • Salt Lake City • Seattle • Wichita

BETTER BAGS FOR 86 YEARS

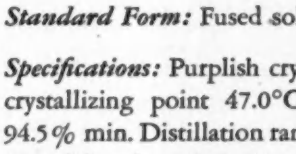
CALL IN THE BEMIS MULTIWALL PAPER BAG EXPERT

Bemis has a staff of Multiwall Paper Bag experts which are at your service whether you are a Bemis customer or not. Call upon us any time you have a troublesome packaging problem. You'll find the Bemis Man an expert on all phases of such problems, whether it be bag design, bag closing equipment, shipping or storing bags. Let him study your packaging operations. He may suggest ways to increase output, lower man power, cut costs or reduce waste. His call will cost you nothing and place you under no obligation.

YES, we'll gladly send samples of these available, low-priced MONSANTO CHEMICALS!

In addition to their long-established uses, these two low-cost Monsanto Chemicals have vast potential value in new applications and as replacements for materials made scarce by the war. If your company wishes sample quantities of these chemicals, they will be sent promptly upon request by wire or on your company letterhead. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri.

ortho-AMINODIPHENYL
(TECHNICAL)



Mol. Wt. 169.10

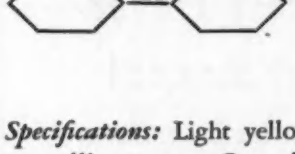
Standard Form: Fused solid.

Specifications: Purplish crystalline mass; crystallizing point 47.0°C. min.; assay 94.5% min. Distillation range: first drop, 295.0°C. min.; 95% (1-96 ml), 8.0°C. max.; dry point, 310.0°C. max.

Where ortho-AMINODIPHENYL may be used

1. Intermediate for chemical synthesis.
2. Intermediate in synthesis of dyestuffs such as quinoline yellows, lithol reds and hydron blues.
3. As a constituent of Phenol Formaldehyde resins
4. A solvent, where a high molecular weight amine is advantageous.

ortho-NITRODIPHENYL
(TECHNICAL)



Mol. Wt. 199

Specifications: Light yellow to reddish crystalline mass. Crystallizing point 34.5°C. min

Where ortho-NITRODIPHENYL may be used

1. Intermediate for chemical synthesis.
2. In the manufacture of dyestuff intermediates such as 2,2′ Diphenyl Benzidine and its derivatives.
3. Plasticizer and component in resin compositions.
4. As a component and intermediate in insecticides.

MONSANTO CHEMICALS

SERVING INDUSTRY...WHICH SERVES MANKIND

Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,6] natural, all grades, dms., c.l., E. of Miss. R., gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R., 3c. higher.

synthetic,[2,6] dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld. or dlvd...gal. .36½- —
3, frt. alld.....gal. .38½- —
4, frt. alld.....gal. .40½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld.....gal. .42½- —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .52½- .56½
tanks, Zone 1, frt. alld...gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Col., Fla., Ga., Kans., La., Miss., Neb., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., also (c.l. only), Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Methyl abietate, dms., c.l., dlvd., lb. .0722- —
l.c.l., 10-dm. lots, dlvd...lb. .0847- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd. lb. .1123- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1847- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss., lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.25 - 2.65
Benzoate,[6] ctns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75

Methyl chloride, refrigeration, 500 lbs. and up machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld., lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100% dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks

Methylene blue, medicinal, kgs., 100 lbs. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .23
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10
Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —
Metronite pigment (see Synthetic Resins and Other Branded Paint Materials list.)
Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l.....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .03¾- —
l.c.l. .....lb. .04¼- —
1,000 mesh, bgs., c.l.....lb. .03¾- —
l.c.l. .....lb. .04¼- —
white, 1,000 mesh, bgs., c.l., lb. .03¾- —
l.c.l. .....lb. .04¼- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05¼- —
paper bgs., c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —
rubber, c.l., bgs.....lb. .04½- —
l.c.l. .....lb. .05 - —
wallpaper, bgs, c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in car-load lots is frt. alld. E.; less car-load lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb higher W. of Rockies.

Milk powder,[6] skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A, lb. .14½- —
Zone B.....lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H. N. Y., Pa., R. I., and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits)
Molasses,[1,6] blackstrap, tanks, f.o.b. works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99% powd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l..lb. .05½- —
l.c.l. .....lb. .07 - .09
tanks .....lb. .05 - —
Monoethanolamine,[6] dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylanilin, dms.....lb. .47 - —
Monomethyl para-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monomethylamine, dms.....lb. .55 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, 5 oz. bots....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz.40.00 -45.00
synth., ambretta, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more, lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs., lb. .20½- .21
Montana, brokn, bgs.....lb. .11½- .12
yellow, bgs.....lb. .10¾- .11¼
Washington, yellow ,bgs.....lb. .11¾- .12¼
Myrobalans,[6] J1, whole, bgs., frt. guar., insdrance, $1. Any difference for buyers' account, ton.65.00 - —
crushed, same basis.....ton.75.00 - —
J2, whole, bgs., same basis... ton.60.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[2,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis, lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis...lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —
Neocinchophen, USP, dms ....lb. 7.00 - 7.10

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With Freshest Flavor
And Truest Aroma!
Orange Oil is our business, and EXCHANGE Brand is your assurance of matchless flavor, freshness, and uniformity — your benefit of over 20 years of our experience in satisfying the requirements of American users.
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ORANGE
U. S. P.

Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N.Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Nerolin, crystl., cns......lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6] carbonate, bbls......lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6] black, bbls.....lb. .35 - .38
Salt,[6] bbls.....lb. .13 - .13½
Nicotine[2] sulfate, 40%, dms., 50 lbs..lb. .7980- —
tins, 10 lbs.....lb. .90 - —
Nicotinamide,[6] dms.....kilo.13.25 -13.60
Niger seed, bgs.....lb. .20 - .21
Nikethamide, bots., cbys.....lb.18.00 -19.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, ½ sec., 5-7, 30-35 cps., same basis..lb. .28 - —
5-7, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
Nitrocellulose:—Denatured alcohol A used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen,[6] solut., tanks, works, ports..ton N.121.58 - —
Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton.2.60 ÷ .40- 3.00 + .40
Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .44 - .45
Chinese .....lb. .39 - .40
Nutmegs,[1] E. I., 80's, bgs....lb. .75 Nom.
West Indian, No. 1, bgs.....lb. .36½ Nom.
broken, bgs.....lb. .55 - .60
Nux vomica, bls.....lb. .09 - .11
powder, bbls., bxs.....lb. .12 - .13

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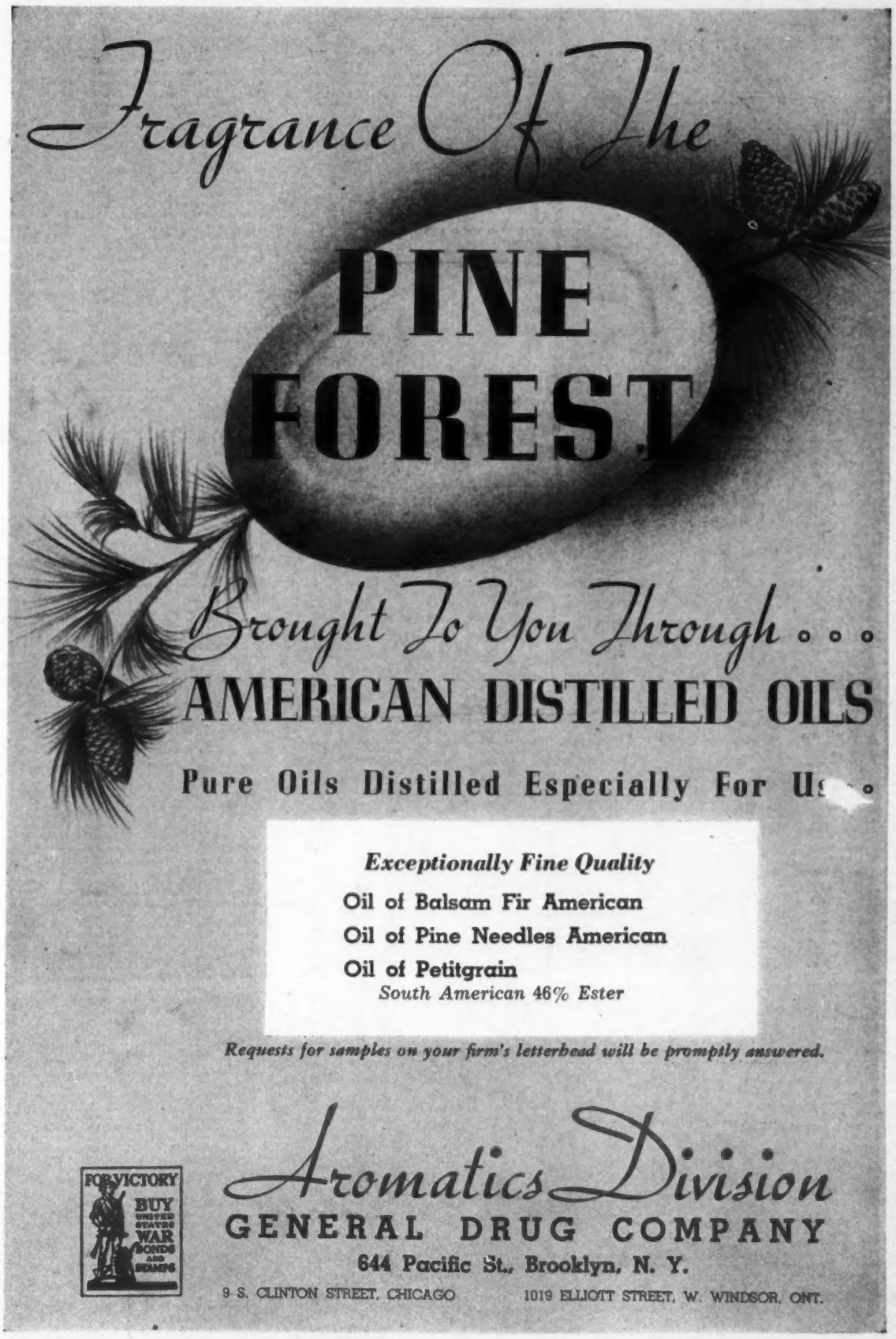
Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
Ocher (see Yellow).
Octane,[4] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, arti. (see Benzaldehyde).
bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.60 - 2.00
Angelica root, bots.....lb. No stocks
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, cns., dms.....lb. 3.75 - 4.00
Apricot kernel, cns.....lb. .54 - .60
Avocado, cns., dms.....lb. 1.00 - 1.25
Babassu,[1,2] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 2.65
natural, Italian, coppers...lb.25.00 Nom.
Brazilian, cns.....lb. No stocks
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. 2.00 - 2.25
rectified, cns.....lb. 3.00 - 3.35
Bois de Rose, Brazil, cns....lb. 3.80 - 4.50
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 1.65 - 2.25
redistilled, USP X, cns....lb. 2.00 - 2.50
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns....lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb. 8.75 -10.00
rectified, cns.....lb.10.25 -11.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb. No prices
Cardamom, bots.....lb.24.00 -34.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l.lb. .14 - —
cns. .....lb. .15¾- .17¾
dms., returnable, c.l....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehydrated, dms., c.l.....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., returnable, c.l....lb. .13¼- —
l.c.l. .....lb. .14½- —
tanks .....lb. .12¾- —
sulphonated, 50% (46% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
75% (69% fat), dms., c.l..lb. .12¼- —
l.c.l. .....lb. .13¼- —
80% (69% fat), dms., c.l..lb. .13½- —
l.c.l. .....lb. .14½- —
Cedarleaf, cns., dms.....lb. 2.65 - 3.34
Cedarwood, dms.....lb. .80 - 1.00
Celery, bots.....lb.24.00 -26.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.36.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .85 - 1.00
Java, cns.....lb. 2.75 Nom.
Clove, USP, cns.....lb. 1.60 - 1.65
Coconut,[1,2] Manila, crude, bulk, c.i.f., N. Y..lb. .0835- —
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms...gal. .88 - —
tankcar .....gal. .83 - .85
Codliver,[6] med., USP, 30-gal. bbls. or dms..bbl.80.00 -88.00
Coriander, bots.....lb.23.50 -35.00
Corn,[1,6] crude, tanks, works.lb. .12¾- —
Edible, tankcar.....lb. .1502- —
l.c.l., ret. dms.....lb. .16¼- .16½
Cottonseed,[1,2] cooking, l.c.l., ret. dms..lb. .16¼- —
salad, l.c.l., ret. dms.....lb. .16½- —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.00 -10.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb. 5.10 - 5.50
weed, bots.....lb. 5.50 - 5.75
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.10 - 1.20
Fennel, sweet, cns.....lb. 3.25 - 3.90
Fir, Canada, cns.....lb. 2.00 - 2.75
Fishliver,[1,2] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram..per million units. .001 - —
200,000 or more A units.... per million units. .80 - —

Oil, fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, cns.....lb.13.00 -15.75
Bourbon, cns.....lb.14.00 -16.50
Russian, cns.....lb.15.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns. .....lb. 2.00 - 2.10
Ginger, dist., bots.....lb.20.00 -22.00
Hemlock, cns. .....lb. 1.30 - 1.40
Juniper berry, cns.....lb.12.00 -16.00
wood, tech., cns.....lb. 1.00 - 1.25
Juniper tar, USP, dms.....lb. 1.00 - 1.30
Lard,[2] common, 1 bbl.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
Winter, strained, bbls...lb. .15 - —
prime, burning, bbls.....lb. .16 - —
lined, bbls. .....lb. .15½- —
Laurel, bots. .....lb. No prices.
Lavandin, cns., 25 lbs.....lb. 8.00 - —
Lavender flower, French, cns., lb. 7.50 -16.00
Russian, cns. .....lb.11.00 -11.50
garden, cns. .....lb. .55 - .75
spike, Spanish, pure, cns..lb. 3.50 - 4.00
tech., cns. .....lb. 2.75 - 3.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. No stocks.
Terpeneless .....lb.25.00 -50.00
Lemongrass, cns., dms.....lb. 1.40 - 1.50
Lignaloe wood, Brazilian (see Bois de Rose).
Mexican, seed, cns.....lb. No stocks.
wood, cns.....lb. 3.20 - 3.25
Lime, dist., Jamaica, cns....lb. 6.50 - 7.50
Mexican, cns. .....lb. 6.00 - 6.50
expressed, Jamaica, cns...lb.11.00 -12.50
Linseed, raw, dms., c.l.....lb. .1510- —
l.c.l. .....lb. .1550- .1610
tankcar .....lb. .1470- —
tankwagon .....lb. .1470- —
grinding, dlvd. Zone 1, tankcar..lb. .1450- .1550
Oil, linseed, varnish, dlvd. Zone 1, tankcar..lb. .1490- .1500
polymerized, dlvd. Zone 1, tankcar..lb. .1850- .2050
Boiled linseed oil, .004 over raw.
Linseed replacement, dms..gal. 1.13½- 1.21½
tankcar .....gal. 1.10½- —
Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .25 - —
300 vis., No. 3 col., 0-10 pour, tanks..gal. .14½- .18
280-280 vis., No. 3 col., 15-25 pour, tanks..gal. .15 - .17½
140-150 vis., No. 8 color, 10-25 pour, tanks..gal. .24 - .30
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 0-25 pour, tanks..gal. .28½- .30½
200 vis., 0-25 pour, tanks..gal. .32 - .32½
Mace, dist., cns., dms.....lb. No prices.
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Italian, coppers .....lb.11.50 -15.00
Menhaden,[1,2] crude, tanks, Baito..lb. .0890- —
light-pressed, ret. dms....lb. .1208- .1210
tanks .....lb. .1225- —
ref'd, alkali, ret., dms.....lb. .1308- .1310
kettle-bodied, ret., dms....lb. .1408- .1410
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns...lb. 1.60 - 1.70
Mustard seed,[6] exp., dms....lb. .14¾- —
Oil, neatsfoot, 15°, c.l., bbls..gal. 1.90 - —
20°, c.l., bbls.....gal. 1.80 - —
30°, c.l., bbls.....gal. 1.60 - —
pure, bbls. .....lb. .18¼ Nom.
Neroli, bots.....lb.220.00 -275.00
Haitian, dms. .....lb.240.00 - —
Nutmeg, dist., cns., dms.....lb. No prices.
Oiticica,[1] liquid, dms.....lb. .22 - .23
tanks .....lb. .21 - .21¼
Oleo,[2] 1, bbls.....lb. .13¾ Nom.
Olibanum, bots. .....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks.
edible,[1] Calif., ½%-3% f.f.a., dms..gal. 4.30 - 4.80
imported, dms.....gal. No stocks.
foots, dms. .....lb. No stocks.
sulphonated, 50% (40% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
80% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
85% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
Orange, sweet, dist., cs.....lb. .75 - —
expressed, Brazilian, cns..lb. 1.25 - 1.40
Calif., cns. .....lb. 1.15 - 1.50
Florida, cns., dms.....lb. .85 - 1.25
Messina, USP, coppers.lb. No stocks.
West Indian, cns.....lb. 4.50 - 5.00
sequiterpeneless, bots....lb.97.00 -100.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,2] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 4.25 - 5.50
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, same basis..lb. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind.refy..gal. .12 - —
100-100 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¾- —



Oil, paraffin, 550 flash, 100-105 vis., 0/10 pour, same basis,	gal.	.14	—
Patchouli, cns.	lb.	10.00	-11.00
Peanut,[1,5] crude, tanks, mill.	lb.	.13	—
bichd., deod., tankcar	lb.	.1501-	—
hydrog., tanks	lb.	.1378-	.1378
Pennyroyal, dms., cns.	lb.	No prices	
import, cns.	lb.	No prices	
Peppermint, natural, dms.	lb.	7.50	—
redist., USP, dms.	lb.	8.05	—
Perilla, crude, dms.	lb.	No stocks.	
Petitgrain, Paraguay, cns., dms.	lb.	1.45	- 1.65
Pimento, berry, dms.	lb.	6.90	- 7.00
Leaf, cns.	lb.	4.80	- 5.00
Pine,[1,6] ref., dms., c.l., dlvd. E.	gal.	.63	- .63½
l.c.l., ret., dms., dlvd. E.	gal.	.73	—
tanks, works	gal.	.55	—
Pineneedle, cns.	lb.	3.25	- 3.50
Putty,[2] bbls., E. Segundo, Richmond, Cal.	gal.	.22½-	—
contracts	gal.	.19½-	—
dms., c.l., Whiting, Ind.	gal.	*.34	—
Boston, Providence	gal.	.25	—
l.c.l., same basis	gal.	.27	—
tanks, same basis	gal.	.18	—
Martinez, Cal.	gal.	.28	—

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,5] denat., bulk, c.l.f. N. Y.	lb.	.1150-	—
Red,[5] ref. dms., dlvd.	lb.	.13½-	.14%
tanks, dlvd.	lb.	.12½-	—
double dist., ref. dms.	lb.	.15%-	.16%
Rose, natural, coppers	oz.	30.00	-40.00
Rosin, 1st rectified, dms.	gal.	.66	—
2d rectified, dms.	gal.	.68	—
3d rectified, dms.	gal.	.72	—
Rosemary, Spanish, cns., dms.	lb.	1.85	- 2.00
Rue, bots.	lb.	8.25	-10.00
Sage, Spanish, cns.	lb.	3.50	- 5.50
Sandalwood, NF, dist., cns.	lb.	6.75	—
Mysore, cns., case lots	lb.	7.00	- 7.25
Sardine, crude,[2,6] tanks, Pac. Coast	lb.	.0890-	—
light-pressed, ref. dms.	lb.	.128 -	.13
tanks	lb.	.1225-	—
ref'd alkali, ret. dms.	lb.	.138 -	.14
kettle-boiled, ret. dms.	lb.	.1480-	.1500
Sassafras, artif., cns.	lb.	1.05	- 1.40
natural, cns., dms.	lb.	1.90	- 2.00
Savin, cns.	lb.	No stocks	
Savory, cns.	lb.	8.00	—
Sesame,[15] tanks	lb.	.1430-	—
Shingle stain, bbls., c.l., works,	gal.	.19	—
l.c.l., works	gal.	.20	—
tanks, works	gal.	.14	—
Snake root, Canada, cns.	lb.	No stocks	
Soybean,[1,5] crude, tanks, Decatur	lb.	.1175-	—
deod., Winter, tankcar	lb.	.1393-	—
ret. dms.	lb.	.1500-	.1540
clarif., dms.	lb.	.1296-	.1335
tanks	lb.	.1256-	—
refd., varnish, dms.	lb.	.1386-	.1400
tanks	lb.	.1340-	.1347
Spearmint, dms.	lb.	4.00	Nom.
Sperm,[6] bleach, 38°, dms.	lb.	.1443-	—
natural, 45°, dms.	lb.	.1310-	—
Spruce, cns., dms.	lb.	2.65	- 3.24
Sunflower seed,[1,5] tanks	lb.	.1430-	—
Sweet birch, North, cns.	lb.	4.00	- 5.00
South, cns.	lb.	2.50	- 3.75
Tall, crude, dms., c.l., works,	ton.	53.65	-55.00
l.c.l., works	ton.	58.65	-63.65
tanks, works	ton.	40.00	-45.00
refined, dms., c.l., works	lb.	.05	—
l.c.l., works	lb.	.05½-	—
tanks, works	lb.	.04½-	—
Tallow,[5] acidless, bbls.	lb.	.14¼-	—
tanks	lb.	.13%-	—
Tansy, cns.	lb.	3.70	- 4.00
Tar,[1] pine, dms., c.l., dlvd. E. cities	gal.	.32%-	—
l.c.l., f.o.b. works	gal.	.29%-	—
tanks, dlvd. E. cities	gal.	.27	—
rect., USP, bbls.	gal.	.60½-	—
Tar acid (see T).			
Thyme, NF, red, cns.	lb.	2.50	- 3.50
white, cns.	lb.	2.65	- 4.00
Tung,[1,4] dms.	lb.	.39	—
tanks	lb.	.38%-	—
Turkey red (see Castor, sulphorated).			
Turpentine (see T).			
Vetiver, Java, bots.	lb.	50.00	Nom.
Whale,[6] ref., natural, dms.	lb.	.1187	Nom.
winter, bleach, dms.	lb.	.1232	Nom.
Wheat germ, dms.	gal.	10.00	-13.50
White, mineral, tech., 50-60 vis., dms., c.l.	gal.	.36	—
l.c.l.	gal.	.42	—
65/75 vis., c.l.	gal.	.36	—
l.c.l.	gal.	.42	—
USP, 80/90 vis., dms., dm. charges not included, c.l.	gal.	.39	—
l.c.l.	gal.	.45	—
95/105 vis., dms., c.l.	gal.	.44½-	—
l.c.l.	gal.	.50½-	.53½
125/135 vis., dms., c.l.	gal.	.49	—
l.c.l.	gal.	.55	—
145/155 bls., dms., c.l.	gal.	.51	—
l.c.l.	gal.	.57	—
175/185 vis., c.l.	gal.	.54½-	—
l.c.l.	gal.	.60½-	.63½
200/210 vis., c.l.	gal.	.58	—
l.c.l.	gal.	.64	—
320/330 vis., c.l.	gal.	.65	—
l.c.l.	gal.	.71	—
335/345 vis., c.l.	gal.	.66	—
l.c.l.	gal.	.72	—
San Francisco, 55 vis., returnable bbls., c.l.	gal.	.40	—
5 bbls.	gal.	.45	—
85 vis., c.l.	gal.	.40	—
5 bbls.	gal.	.45	—
100 vis., c.l.	gal.	.40½-	—
5 bbls.	gal.	.54½-	—
145 vis., c.l.	gal.	.57	—
5 bbls.	gal.	.62	—
180 vis., c.l.	gal.	.60½-	—
5 bbls.	gal.	.65½-	—
340 vis., c.l.	gal.	.72	—
5 bbls.	gal.	.77	—
Wintergreen, nat., North, cns.,	lb.	6.50	- 8.50
South, cns.	lb.	4.00	- 4.25
synthetic (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	No prices.	
Wormwood, cns.	lb.	5.00	- 5.75
Ylang-ylang, Bourbon, bots.	lb.	11.00	-14.50
Oleostearin,[1] bbls.	lb.	.1054-	—
Olivine, aggregate, c.l., mines,	ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works	ton.	8.00	—
paper bgs., c.l., works	ton.	9.50	—
lumps, same basis	ton.	7.00	—
spalls, same basis	ton.	5.00	—
Opium gum, USP, cns., 50-lb. lots	lb.	13.00	—
25-lb. lots	lb.	13.25	—
smaller lots	lb.	13.50	-13.65

Prices on powd. and gran. USP opium are $1.50 per pound higher.

Orange, dinitroanilin toner,[1]	lb.	1.05	—
Lake, Persian,[1] bbls.	lb.	.30	- .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.12¼-	—
Orange, mineral, Amer., bbls., 5 tons, dlvd., Ariz., Idaho Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.12¾-	—
Colo., Mont., N. M., Wyo.	lb.	.12½-	—
other points	lb.	.12	—
smaller lots, dlvd. Ala., etc.	lb.	.12¾-	—
Ariz., etc.	lb.	.13¼-	—
Colo., Mont., N. M., Wyo.	lb.	.13	—
Other points	lb.	.12½-	—
Molybdate,[1,5] bbls.	lb.	.41	—
Orthonitroanilin toner,[1] kgs., works	lb.	.80	—
bbls.	lb.	.80	- 1.05
Orange peel, bitter, bbls.	lb.	.30	- .31
Haitian, bgs.	lb.	.13	- .14
sweet, bls.	lb.	.15	- .16
Oregano, Mexican, curly leaf, bgs.	lb.	.12	- .12½
flat leaf, bgs.	lb.	.11½-	.12
Orris root, African, bls.	lb.	.80	- .85
powd., bbls., bxs.	lb.	.85	- .90
Portuguese, bls.	lb.	.45	- .46
Verona, bls.	lb.	1.25	- 1.30
Orthoamylphenol, dms., works.	lb.	.25	—
Orthoanisidin, bbls.	lb.	.70	—
Orthochloroanilin, dms.	lb.	.60	- .70
Orthochlorophenol, dms.	lb.	.32	—
Orthocresol,[2,6] 30.4°C. Min. M.P., dms., c.l., works.	lb.	.17½-	.18
l.c.l., same basis	lb.	.18	- .18½
29.0°C, Min. M.P., dms., c.l., works.	lb.	.16½-	.17
l.c.l., same basis	lb.	.17	- .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies,	lb.	.07	—
l.c.l., same basis	lb.	.08	—
tanks, same basis	lb.	.06½-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroanilin, dms.	lb.	.45	—
Orthonitrochlorobenzene, dms.	lb.	.15	- .18
Orthonitroparachlorophenol, cns.,	lb.	.75	—
Orthonitrotoluene, dms.	lb.	.09	—
Orthophenetidin, dms.	lb.	.82	—
Orthotoluidin, dms.	lb.	.19	—
Osage orange, crystals, bbls.	lb.	.23	—
extract, No. 1, bbls.	lb.	.11	—
No. 2, bbls.	lb.	.10	—
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	3.50	—
smaller lots	lb.	3.75	- 4.15

P

Papain, powd., cs.	lb.	2.50	- 3.25
Papaverine hydrochloride, NF, natural, cns., 100-oz. lots.	oz.	7.00	—
smaller lots.	oz.	7.05	- 7.25
Sulphate, natural, cns.	oz.	7.10	- 7.35
Paprika,[1] Chilean, bgs.	lb.	.30½-	.31
Portuguese, choice, bgs.	lb.	.35½-	.40
extra fancy, bgs.	lb.	.38¼-	.38¾
good, bgs.	lb.	.36	- .37
Spanish, fancy, bgs.	lb.	.45	- .50
good bgs.	lb.	.36	- .37
fair, bgs.	lb.	.32	- .33
Para-anisidin, dms., works.	lb.	.75	—
Parachlorophenol, dms., wks.	lb.	.32	—
Paracresol,[6] bbls., f.o.b. wks.	lb.	.41	—
Paracymene, dms., c.l., works.	lb.	.1295	—
l.c.l.	lb.	.1645-	—
tanks	lb.	.1545-	—
Paradichlorobenzene, dms., c.l., works.	lb.	.11	- .13
l.c.l., same basis	lb.	.12½-	.14
Paraffin, crude scale, white or yellow, 122-124 AMP, bbls., c.l., refinery.	lb.	.04¼-	—
fully ref'd, slabs, loose, 120-122 AMP, c.l., refinery.	lb.	.06	—
123-125 AMP, same basis.	lb.	.0520-	—
125-127 AMP, same basis.	lb.	.0530-	—
128-130 AMP, same basis.	lb.	.0560-	—
130-132 AMP, same basis.	lb.	.0585-	—
131-133 AMP, same basis.	lb.	.0565-	—
133-135 AMP, same basis.	lb.	.0615-	—
135-137 AMP, same basis.	lb.	.0640-	—
138-140 AMP, same basis.	lb.	.0715-	—
143-145 AMP, same basis.	lb.	.0810-	—
149-151 AMP, same basis.	lb.	.1050-	—

Prices in bags 4/10c. per lb. higher than those for slabs loose.

Paraformaldehyde,[2,5] dms., 1,000 lbs. or more, works.	lb.	.23	—
100 to 900 lbs., works.	lb.	.24	—
Paraldehyde, tech., 99%, and 110-gal. dms., l.c.l., works.	lb.	.12	—
and 10-gal. dms., works.	lb.	.15	—
USP, cns., cbys.	lb.	.35	- .45
Paranitroanilin, kgs., works.	lb.	.43	- .46
Paranitrochlorobenzene, kgs., works.	lb.	.15	—
Paranitrophenol, kgs.	lb.	.35	—
Paranitrotoluene, kgs., works.	lb.	.20	—
Paraphenylenediamine, tech.,	lb.	2.00	—
Paratoluenesulphonamide, bbls.	lb.	.70	—
Paratoluidin, bbls., works.	lb.	.48	—
Paris green,[1] dealer, dms., kgs., c.l., works, frt. alld.	lb.	.20	- .25
l.c.l., same basis	lb.	.21	- .26
Passion flower herb, bls.	lb.	.15	- .16
Patchouli leaves, bls.	lb.	.34	- .35
Pectin, bbls.	lb.	.35	—
Penicillin,[6] ampules, per 100,000 units.	lb.	3.25	—
Pennyroyal leaves, bls.	lb.	.15	- .16
Pentachlorophenol, dms., works,	lb.	.20	- .25
Pentaerythritol,[6] CP, bbls., dlvd.	lb.	.75	—
less than barrel lots	lb.	1.00	—
tech., bbls., c.l.	lb.	.29	—
bbls., l.c.l.	lb.	.33	—
Tetra-acetate, bbls., dlvd.	lb.	1.00	—
less than barrel lots	lb.	1.50	—
Pentane,[1] 25°-38° C., industrial grade, dms., c.l., Group 3,	gal.	.11	—
l.c.l., Group 3	gal.	.19	—
tanks, Group 3	gal.	.07¼-	—
laboratory grade, dms., c.l.,	gal.	.16	—
l.c.l.	gal.	.29	—
10 gal.	gal.	.55	—
Pepper, black,[1] 15 tons, bgs.	lb.	.0695	Bid
50 to 100 bgs.	lb.	.0705	Bid
24 bgs.	lb.	.0723-	.0740
white,[1] 15 tons, bgs.	lb.	.1161	Nom.
24 bgs.	lb.	.1295	Nom.
red, chillies, Carolina, longs,	bgs.	.28½-	.30
sports, bgs.	lb.	.50	- .52
Louisiana, sports, bgs	lb.	.50	- .52
Mombassa, bgs.	lb.	.23	- .24
Niger, fair, bgs.	lb.	.18½-	.19
Sierra Leone, bgs.	lb.	.22%-	.28
Peppermint, USP, bls.	lb.	.60	- .70
import, bls.	lb.	.90	Nom.
Perchloroethylene,[6] dms., c.l., works, frt. alld., Zone 1.	lb.	.0782-	.0800
l.c.l., same basis	lb.	.0832-	.0850
l.c.l., same basis	lb.	.0882-	.0900
Zone 2, dms., c.l., works, frt. alld.	lb.	.0832-	.0850
l.c.l., same basis	lb.	.0882-	.0900
Zone 3, dms., c.l., works, frt. equald.	lb.	.0882-	.0900
l.c.l., same basis	lb.	.0932-	.0950
Zone 4, dms., c.l., f.o.b. stock point	lb.	.0882-	.0900
l.c.l., same basis	lb.	.0932-	.0950

Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N.D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.	lb.	1.35	- 1.80
Petrolatum, tech., dark, bbls., Group 3, c.l.	lb.	.021	—
golden Topas, bbls., c.l.	lb.	.022	—
l.c.l.	lb.	.026	—
red, veterinarian, bbls., c.l.	lb.	.026	—
l.c.l.	lb.	.026	—
USP, amber, fiber dms., c.l.	lb.	.03¼-	—
l.c.l.	lb.	.04¼-	—
extra amber, fib. dms., c.l.	lb.	.03%-	—
l.c.l.	lb.	.04%-	—
cream, c.l., fib. dms.	lb.	.06	—
l.c.l.	lb.	.06¼-	—
yellow, soft, c.l., fib. dms.	lb.	.06¼-	—
l.c.l.	lb.	.04½-	—
white, lily, c.l., fib. dms.	lb.	.05¾-	—
l.c.l.	lb.	.07¼-	—
snow, c.l.	lb.	.06¾-	—
l.c.l.	lb.	.08	—
soft, c.l.	lb.	.06¼-	—
l.c.l.	lb.	.06¾-	—
Petroleum, crude, bulk, at wells, California, heavy grades.	bbl.	.98	- 1.01
Illinois	bbl.	1.37	—
Kentucky, Union County.	bbl.	1.32	- 1.37
Louisiana-Arkansas	bbl.	.86	- 1.20
Oklahoma-Kansas	bbl.	.85	- 1.25
Pennsylvania	bbl.	1.31	- 3.00
Texas, Gulf Coast	bbl.	1.06	- 1.36
North, North-Central	bbl.	1.01	- 1.25
West	bbl.	.70	- 1.13
Panhandle	bbl.	1.10	- 1.22
Savannah, Ga.	bbl.	1.60	- 1.77
Wyoming	bbl.	1.13	—
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3.	gal.	.18	—
l.c.l.	gal.	.29	—
10 gals.	gal.	.55	—
35-60° C., dms., c.l.	gal.	.29	—
10 gals.	gal.	.58	—
40-75° C., dms., c.l.	gal.	.16	—
l.c.l.	gal.	.29	—
10 gals.	gal.	.58	—
Fuel oil, furnace, tanks, at refinery:—			
Arkansas, No. 1.	gal.	.04	—
Nos. 2 and 4	gal.	.03¼-	—
California, heavy	bbl.	1.10	—
light	bbl.	1.20	—
diesel, tanks	gal.	.04	—
stove dist.	gal.	.05	—
Group 3, No. 3	gal.	.03½-	—
Group 3, No. 5	gal.	.03	—
No. 6	bbl.	.80	- .85
Kansas, No. 5	bbl.	.85	- .90
Oklahoma, No. 2	gal.	.03%-	—
No. 5	bbl.	.90	—
14-16	bbl.	.97	—
Pennsylvania, No. 1	gal.	.07	- .07½
No. 2	gal.	.07	- .0805
No. 3	gal.	.06¾-	.07½
36-40 gravity	gal.	.07	- .07½
bunker, Baltimore, Md.	bbl.	1.65	- 1.77
Boston, Mass.	bbl.	1.65	- 1.77
Charleston, Mass.	bbl.	1.60	—
Jacksonville, Fla.	bbl.	1.90	—
New York, N. Y.	bbl.	1.65	- 2.07
Norfolk, Va.	bbl.	1.65	- 1.77
Philadelphia, Pa.	bbl.	1.65	—
Portland, Me.	bbl.	1.80	—
Providence, R. I.	bbl.	1.65	—
Savannah, Ga.	bbl.	1.65	- 1.77
Wilmington, N. C.	bbl.	1.65	—
Lacquer diluent, at refinery:— California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11	—
Fort Wells, Wash.	gal.	.12	—
San Francisco	gal.	.11¾-	—
Willbridge, Ore.	gal.	.12	—
East Coast, N. J., N. Y., tanks.	gal.	.11½-	—
	gal.	.07%-	—
Group 3, benzol type, tanks.			
toluol type, tanks.	gal.	.07%-	.07½
Mineral spirits, at refinery, California (f.o.b. San Francisco), 143-262 b.r., tanks.	gal.	.10½-	—
198-209 b.r., tanks.	gal.	.10¼-	—
246-397 b.r., tanks.	gal.	.10¼-	—
312-408 b.r., tanks.	gal.	.09	—
362-458 b.r., tanks.	gal.	.09	—
East Coast, N. J., N. Y.	gal.	.10	—
Group 3, tanks.	gal.	.06¼-	—
Gulf Coast, tanks.	gal.	.06¼-	—
tankwagon, Baltimore.	gal.	.12	- .13
Boston	gal.	.12	—
Bridgeport, Conn.	gal.	.1430-	—
Buffalo	gal.	.1240-	—
Camden, N. J.	gal.	.11	—
Chicago	gal.	.1315-	—
Detroit	gal.	.1350-	—
Hartford	gal.	.1430-	—
Kansas City, Mo.	gal.	.1480-	—
Lancaster, Pa.	gal.	.12	—
Milwaukee	gal.	.1440-	—
Minneapolis	gal.	.1420-	—
Newark (200 gal.)	gal.	.11	—
New York (200 gal.)	gal.	.11	—
Philadelphia	gal.	.11	—
Pittsburgh	gal.	.12¾-	—
Providence	gal.	.13	—
Rochester	gal.	.1320-	—
St. Louis	gal.	.1370-	—
Syracuse	gal.	.14	—
Washington, D. C.	gal.	.13	—
Wilmington, Del.	gal.	.13	—
Naphtha, cleaners, at refinery:— California (f.o.b. San Francisco), tanks.	gal.	.12	—
East Coast, N. J., N. Y., tanks.	gal.	.11	—
Group 3, tanks.	gal.	.07½-	—
Gulf Coast (f.o.b. New Orleans), tanks.	gal.	.06%-	—
tankwagons, Newark	gal.	.12	—
Bridgeport	gal.	.1730-	—
Chicago	gal.	.1350-	—
Detroit	gal.	.15	—
Milwaukee	gal.	.1440-	—
Minneapolis	gal.	.1420-	—
New York	gal.	.13	—
Philadelphia	gal.	.1350	—
St. Louis	gal.	.1470-	—
high-solvency, No. 1,[6] over 70% arom., tanks, f.o.b. Bayway, N. J.	gal.	.21½-	—
No. 2,[6] over 90% arom., same basis.	gal.	.21½-	—
No. 3, same basis.	gal.	.22½-	—
No. 5,[6] tanks, same basis.	gal.	.228 -	—
No. 20,[6] tanks, f.o.b. Kingsland, N. J., frt. alld.	gal.	.223 -	—
No. 40, tanks, f.o.b. Wilmington, Del.	gal.	.13½-	—
V.M.&P., at refinery:— California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11	—
Richmond	gal.	.11½-	—
Petroleum naphtha, V.M.&P., at refinery, Calif., Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	—
54-77, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles.	gal.	.10	—
San Francisco.	gal.	.10½-	—
Portland, Seattle.	gal.	.11	—
East Coast, N. J., N. Y., tanks.	gal.	.11	—
Group 3, tanks.	gal.	.07½-	—
Gulf Coast (dlvd. New Orleans), tanks.	gal.	.06½-	—
tankwagon, Boston.	gal.	.13	—
Chicago	gal.	.1380-	—
Detroit	gal.	.15	—
Milwaukee	gal.	.1540-	—
Minneapolis	gal.	.1520-	—
Newark (200 gal.)	gal.	.125	—
New York	gal.	.12	—
Philadelphia	gal.	.125	—
Pittsburgh	gal.	.12½-	—
St. Louis	gal.	.1470-	—
Solvent, rubber, at refinery, California (f.o.b. San Francisco).	gal.	.24	—
East Coast, N. J., N. Y., tanks.	gal.	.11	—
Group 3, tanks.	gal.	.07¼-	.07¾
Stoddard (CS 8-53), at refinery:—			
California (f.o.b. San Francisco), tanks.	gal.	.11	—
East Coast, N. J., N. Y., tanks.	gal.	.09½-	—
Group 3, tanks.	gal.	.06%-	—
Pennsylvania, western, tanks.	gal.	.07¼-	.08
tankwagon, Baltimore.	gal.	.13	—
Boston	gal.	.12	—
Chicago	gal.	.1315-	—
Detroit	gal.	.1580-	—
Milwaukee	gal.	.1440-	—
Minneapolis	gal.	.1420-	—
Newark	gal.	.11	—
New York	gal.	.11	—
Philadelphia	gal.	.11	—
Pittsburgh	gal.	.12½-	—
St. Louis	gal.	.1370-	—
Syracuse	gal.	.14	—

Xylol solvent. See Xylol petroleum solvent.

Phenobarbital, 5-lb. cns.	lb.	3.60	- 3.70
dms., 100 lbs.	lb.	3.50	—
Phenol,[2,6] 90-92% (cresol 8-10%), dms., c.l., works, frt. equald.,	lb.	.10	—
l.c.l., same basis	lb.	.10%-	—
tanks, same basis	lb.	.09	—
82-84% (cresol, 16-18%), dms., c.l., same basis.	lb.	.09%-	.10¼
l.c.l., same basis	lb.	.10¼-	.10%
tanks, same basis	lb.	.09%-	.09¾
USP, dms., c.l., works, frt. equald.	lb.	.10½-	—
l.c.l., same basis	lb.	.11¼-	—
tanks, same basis	lb.	.09½-	—
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85	—
smaller lots	lb.	.87	- .89
yellow, fib. dms., 2,000 lbs.	lb.	.80	—
smaller lots	lb.	.82	- .87
Phenothiazin, unmodified, fib. dms., 2,000-lb. shipt.	lb.	.52½-	—
smaller lots, same basis	lb.	.57½-	—
Phenylacetaldehyde, 50% solut., bots.	lb.	2.45	- 3.00
100% solut., bots.	lb.	4.40	- 5.00
Phenylethyl acetate, cns.	lb.	4.00	- 5.00
Phenylethylphenyl acetate, bots.,	lb.	5.50	- 7.90
Phenylhydrazin, base, CP, bots.	lb.	4.55	—
Hydrochloride, CP, bots., works.	lb.	7.10	—
commercial, kgs., works.	lb.	1.75	—
Phloroglucinol, CP, fib. dms.	lb.	13.75	-14.75
tech., fib. dms.	lb.	12.00	-12.50
Phosgene, ton lots, works.	lb.	.19	—
Phosphate rock,[1,2] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, f.o.b. car, mine, c.l.			
70%-68% b.p.l., M.P.R.	long ton.	2.00	—
240 provisions, same basis.	long ton.	2.40	—
72%-70% b.p.l., M.P.R. 240 provisions, same basis.	long ton.	3.00	—
75%-74% b.p.l., M.P.R. 240 provisions, same basis.	long ton.	4.00	—
77%-76% b.p.l., M.P.R. 240 provisions, same basis.	long ton.	5.00	—

Entirely pebble 50c. per ton higher than above prices.

finely ground 65.5%, M.P.R. 240 provisions, basis 30% P_2O_5 minimum	short ton.	2.75	—
68%, basis 31% P_2O_5 minimum.	short ton.	3.00	—
70%, basis 32% P_2O_5 minimum.	short ton.	3.25	—
Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% i. & a., M.P.R. 240 provisions, same basis.	long ton.	5.00	—
72%-70% b.p.l., 5½% i. & a., M.P.R. 240 provisions, same basis.	long ton.	5.50	—
refinery ground, same basis,	long ton.	4.65	—
30% P_2O_5, same basis.	short ton.	4.85	—
31% P_2O_5, same basis.	short ton.	4.95	—
32% P_2O_5, same basis.	short ton.	5.20	—
33% P_2O_5, same basis.	short ton.	5.70	—

Phosphate, defluorinated (see under D).			
Phosphorus,[6] red amorphous, cs.,	lb.	.40	- .44
tins, export	lb.	.55	—
Yellow, dms.	lb.	.25	—
cs.	lb.	.28	- .35
Oxychloride,[6] cyls.	lb.	.15	- .18
Pentoxide,[6] dms., c.l., wks.	lb.	.11	- .12
l.c.l., works.	lb.	.13	- .14
Sesquisulphide,[6] cs.	lb.	.38	- .42
Trichloride,[6] cyls.	lb.	.15	- .16
Phthalamide bbls., works.	lb.	.35	- .40
kgs., works.	lb.	.45	- .50
Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver.	lb.	.13	—
l.c.l., same basis.	lb.	.14	—
Pichi leaves, bgs.	lb.	.08	- .09½
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, bots.	oz.	8.00	—
Pilocarpine hydrochloride, USP, bots., vis.	oz.	3.90	- 5.25
Nitrate, bots., vis.	oz.	3.80	- 5.15
Pimento,[1] Jamaica, bgs.	lb.	.24	- .24½
Mexican (see Allspice, Mexican).			

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PENICILLIN
MERCK

A RECORD OF PERFORMANCE

THOROUGHGOING experience and established leadership in organic research, development, and production have been the determining factors in the rapid achievement of large-scale Penicillin production by Merck & Co., Inc.

Intensive research on Penicillin, begun in the autumn of 1940, established a sound basis for the successful development of mass production. By applying chemical engineering principles to the manufacture of this intrinsically unstable and difficultly produced substance, Merck & Co., Inc. succeeded in devising and perfecting a practical method of production, based on the mass-fermentation principle.

The following chronologic review tabulates the more important advances leading to the present volume of Penicillin production, including some of the contributions that we have been privileged to make:

1929—Penicillin discovered by Fleming in England.

1932—First report by British investigators confirming original work on Penicillin.

1940—First isolation of solid Penicillin by Oxford investigators.

1940—Merck research on antibiotics concentrated on Penicillin.

1941—First report of Penicillin's clinical value.

1941—Prof. H. W. Florey and Dr. N. G. Heatley, of the Oxford group, visited the United States to confer with interested Government officials and manufacturers, with the objective of establishing Penicillin production in America.

1941—Dr. Heatley, who participated in the first production work in England, remained at the Merck Research Laboratories to collaborate with Merck chemists in developing test and production procedures.

1941—Merck brought about a reciprocal arrangement between British and American investigators to spur production in cooperation with the United States and British governments.

1942—Merck supplied Penicillin for first case of bacteriemia successfully treated with Penicillin in America.

1942—Merck Penicillin was rushed under police escort to Boston for treatment of the Cocoanut Grove fire casualties.

1943—Merck sent supplies of Penicillin to England by air transport for urgent therapeutic use by the United States Army Medical Corps.

1943—Large-scale production of Penicillin was established by Merck to meet Government requirements.

1944—Merck sends ever-increasing supplies of Penicillin to our Armed Forces.

Merck & Co., Inc. will continue to surpass present production records, with the urgent objective of supplying adequate quantities of Penicillin for civilian use, as soon as the essential requirements of our Armed Forces have been fulfilled.

MERCK & CO., Inc. *Manufacturing Chemists* RAHWAY, N. J.

In Canada: Merck & Co., Ltd., Montreal and Toronto

An illustrated booklet describing the clinical uses of Penicillin Merck is available on request.

Pinkroot, bls.....lb. 1.90 - 2.00
Piperazine hexahydrate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar,[2] 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Hardwood, paper bgs., works..lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb. 8.75 - 9.00
Pokeroot, bbls.....lb. .14 - .15
Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —
Pomegranate, root bark, bgs...lb. .80 - .85
Poppy flowers, bales.....lb. .60 - .70
domestic, blue, bgs.....lb. No stocks
Seed, Canadian, bgs.....lb. No stocks
Dutch, bgs.....lb. No stocks
Indian, white, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
cleaned, bgs.....lb. No stocks
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., dms....lb. .28 - .30
cns.....lb. .31 - .33
Arsenite,[6] USP, solut., cbys., djms..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21
Bichromate,[6] bbls., cks., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10
Potash bichromate in bgs., ½c. less.
Carbonate, calc., bbls., c.l., works..lb. .06¼- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., dms., same basis..lb. .05¾- —
Potash carbonate, USP, gran., bbls., dms..lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, flake, 88-92% dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
45% basis, dms.....lb. .08½- .08½
tanks .....lb. .02¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .03¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chromate,[6] bgs.....lb .24 - .28
Chlorate,[6] cryst., bgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works, ...lb. .09¾- .11¾
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .18 - .20
Chloride, cryst., tech., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms., ...lb. .33½- .35½
powd., 3c. per lb. higher.
Cyanide,[6] dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75%, sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Manure salt, dom.,[6] 22% K_2O, f.o.b. Carlsbad, N. M. ..... unit-ton .20 - —
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to June 30, 1944, 12%.
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls...lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports, unit-ton. .53½- —
Seasonal contract discounts to June 30, 1944. 12%.
granular 50-52 K_2O.unit-ton. .56 - —
Russian,[3] offered from consignments afloat, subject to safe arrivals..unit-ton. .53¼- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
fine gran., bbls., dms.....lb. .28 - .31
Perchlorate,[6] kgs.. works....lb. .09½- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Prussiate, red, bbls., dms...lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.290.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 20° Be, ret. drums., c.l., works..100 lbs. 4.25 - —
20° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
Potash silicate, solut., 32° Be, ret. dms., c.l., works..100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, rat. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, powdr., bbls..lb. .15 - .21
Prices on granular 4c. higher.
tech., dom., bulk,[6] basis 90-95%, K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .75
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[6] min., 40%, K_2SO_4, 18.50% MgO, ex vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 Nom.
Berries, bgs.....lb. .23 - .25
Prince's pine herb, bls.....lb. .40 - .50
Procaine hydrochloride, cns., 25 lbs..lb. 8.00 - —
smaller lots.....lb. 8.25 - 8.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, N.F., dms., c.l., f.o.b. Freeport, Tex., frt. equald. with So. Charleston, W. Va..lb. .15 - —
l.c.l., same basis.....lb. .16½- —
tanks .....lb. .14 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .68 - .69
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .35 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum[6] concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 c.c., dms., dlvd. gal. 5.75 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd.gal. 8.53 - —
flowers,[6] coarse-grd. (g.f.p.), 0.9% pyrethrins, bbls., frt. alld..lb. .27 - .28
fine-grd., 0.9% pyrethrins, bbls. lb. .29 - —
1.3 pyrethrins, frt. alld., bbls..lb. .39 - —
powd., 0.5 pyrethrins, bbls., frt. alld..lb. .23 - —
Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis..lb. .45½- .46
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton.10.00 - —
325 mesh, same basis....ton.13.00 - —
No. 3, 200 mesh, c.l., mines,ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white, ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottles, cs., works. lb. .14 - —
translucent pastels, cs., works, lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

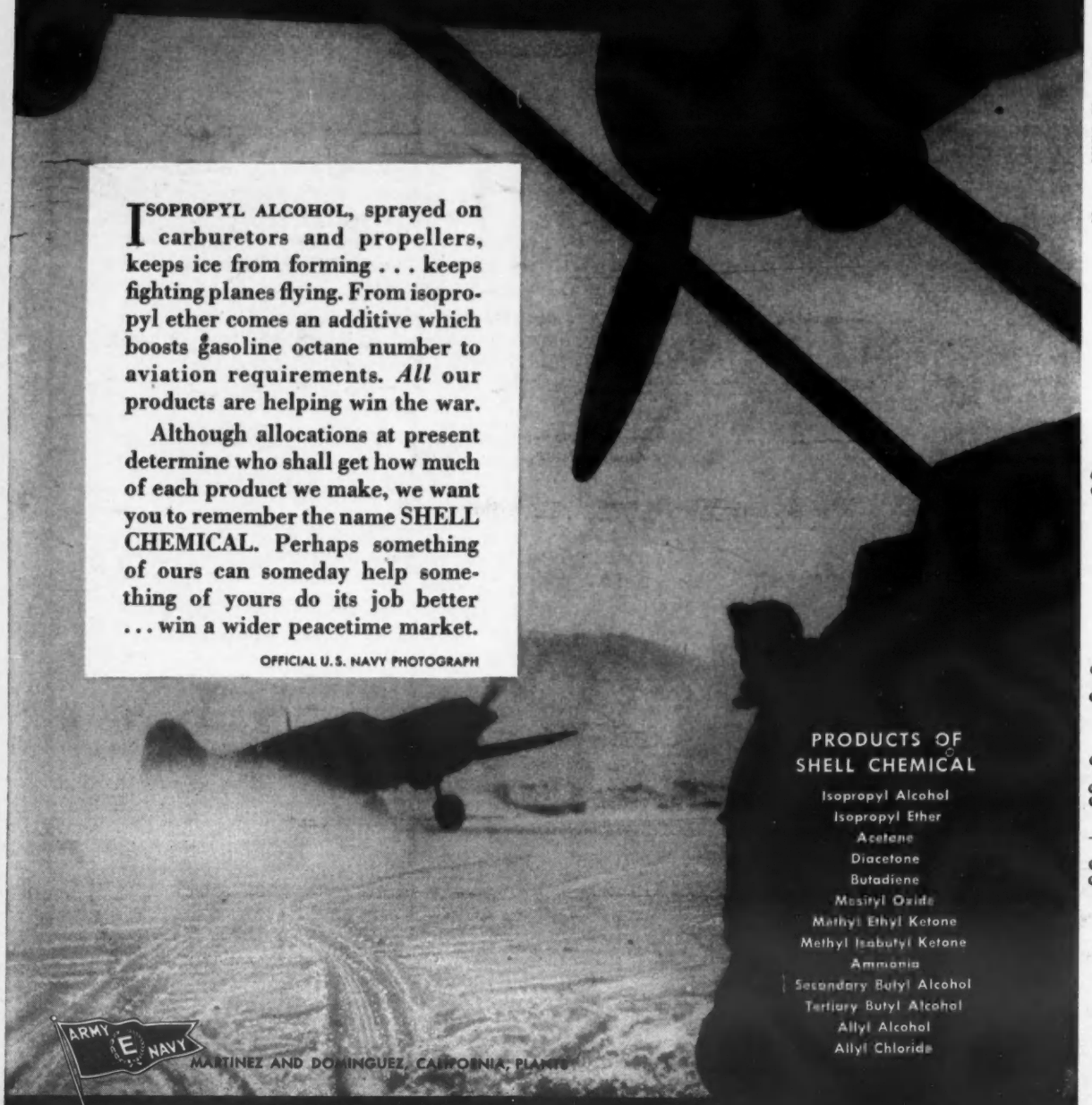
Q

Quassia chips, bls.....lb. .10 - .15
Quebracho extract,[6] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight $12; insurance $1 per ton. Any difference for buyers account. Current freight $21.60; WSA insurance $3.75 per ton..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05¼- —
dissolved, 35% tan., bbls., works..lb. .04¼- —
tanks, works.....lb. .04 - —
ground, bgs., c.l.....lb. .03½- —
l.c.l., bgs.....lb. .09 - —
Queen of the meadow root, bgs., lb. .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .13½- —
Quicksilver,[1,6] flasks (76 lbs. net)..flask.130.00 -135.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. 1.06 + .13½*
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

* Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[6] NF, cns., 100 ozs...oz. .84 + .13½
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs.....oz. 1.07 + .13½
Bisulphite, USP, cns., 100 ozs., oz. .69 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs., oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs..oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs.. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydriodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs., oz. .90 + .13½
Salicylate, NF, cns., 100 ozs., oz. .79 + .13½
Sulphate, USP, cns., 100 ozs.oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs., oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs. oz. .63 + .13½

Liquid overcoats for carburetors from SHELL CHEMICAL



ISOPROPYL ALCOHOL, sprayed on carburetors and propellers, keeps ice from forming . . . keeps fighting planes flying. From isopropyl ether comes an additive which boosts gasoline octane number to aviation requirements. *All* our products are helping win the war.

Although allocations at present determine who shall get how much of each product we make, we want you to remember the name SHELL CHEMICAL. Perhaps something of ours can someday help something of yours do its job better . . . win a wider peacetime market.

OFFICIAL U.S. NAVY PHOTOGRAPH

PRODUCTS OF SHELL CHEMICAL

Isopropyl Alcohol
Isopropyl Ether
Acetone
Diacetone
Butadiene
Mesityl Oxide
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Ammonia
Secondary Butyl Alcohol
Tertiary Butyl Alcohol
Allyl Alcohol
Allyl Chloride

ARMY E NAVY

MARTINEZ AND DOMINGUEZ, CALIFORNIA, PLANTS

SHELL CHEMICAL Division of SHELL UNION OIL CORPORATION
100 BUSH ST., SAN FRANCISCO 6, CALIFORNIA

R. W. GREEFF & CO. *Eastern Sales Agent* 10 ROCKEFELLER PLAZA, NEW YORK 20. TRIBUNE TOWER, CHICAGO 11

Quinine valerate, NF IV, 100 ozs. oz. .99 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[6] USP, cns...oz. .81 + .13½*
Surcharge; see note under Quinine.
Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. .95 - 1.00
Red, alizarin lake,[2] bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ¼c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast; prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .90 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works.. lb. 2.50 - —
light, same basis.....lb. 2.30 - —
works..lb. 1.50 - —
orange, bbls., 100-lb. lots,
Carmine, 40, dms., 100 lbs., works..lb. 4.60 - —
smaller lots, works.....lb. 4.75 - 5.25
Crocus martis (see Red, purple oxide.
Dyes (see Dyes, red).
Eosin toner, bbls., works. ..lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .83 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb. .07¾- —
imp., English, all shades..lb. .12 - —
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Litho toner, alizarin, lake, bbls., works—lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .35
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Red, maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide,[3] tech., bbls., 10,000 lbs., works..lb. 2.49 - —
smaller lots.....lb. 2.51 - —
Metallic, bbls., Pa. works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works. lb. .09 - —
..c.l., bbls.....lb. .09¾- —
reduced 85%, copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- .90¢
Para,[2] toner concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 - —
Lake, alizarin, kgs., works.lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., f. St. L.....lb. .11 - .40
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.75 - 2.85
Red precipitate,[3] NF, powd., fib. dms..lb. 2.66 - 2.68
Red saunders wood, grd., bbls. lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb, whole, cs.....lb. .85 - 2.50
powd., bbls.....lb. .95 - 2.60
Riboflavin,[6] bots., 100 grams.kilo.260.00- —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't. lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, cs.....lb. 1.55 - 1.60
Leaves, Portuguese, bls.....lb. .06 - .06½
Spanish, bls.....lb. .13¾- .14¼
Rosin, gum:—
B, dms., c.l.....100 lbs. 4.20 - —
D, dms., c.l.....100 lbs. 4.53 - —
E, dms., c.l.....100 lbs. 5.15 - —
F, dms., c.l.....100 lbs. 5.27 - —
G, dms., c.l.....100 lbs. 5.28 - —
H, dms., c.l.....100 lbs. 5.28 - —
I, dms., c.l.....100 lbs. 5.30 - —
K, dms., c.l.....100 lbs. 5.33 - —
M, lms., c.l.....100 lbs. 5.35 - —
N, dms., c.l.....100 lbs. 5.47 - —
W.G., dms., c.l.....100 lbs. 6.90 - —
W.W., dms., c.l.....100 lbs. 7.15 - —
X, dms., c.l.....100 lbs. 7.15 - —
[7]Wood, F.F., dms., c.l...100 lbs. 3.78 - 3.98
[8]Rottenstone, bgs., c.l., mines.ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
[9]Rue, bls.....lb. .75 - .80

S

[10]Sabadilla seed, powd., bbls....lb. .30 - .32
[11]Saccharin,[2] soda (soluble), dms., makers, primary distrib., 1,000 lbs. up. lb. 1.30 - 1.37
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. .70 - .75
Spanish, tins.....lb.41.00 -42.00
Safrol, cns.....lb. 1.35 - 1.80
Sage,[1] Calif., Dalmatian type, bgs., f.o.b. Coast..lb. .82 - .83
Cyprus, good, bls.....lb. .22 - .23
Spanish, bls.....lb. .21½- .22
Sago flour, bgs.....lb. .03 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .93
powder, 10c. per lb. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.40 -23.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots .....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.6
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., cns.....kilo.200.00 -210.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .18 - .21
Sassafras bark, ord., bls.....lb. .35 - .40
select, bls.....lb. .70 - .75
Savory, Spanish, bls.....lb. .45 - .47
Saw palmetto berries, bgs.....lb. .20 - .25
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .23¾- —
smaller lots.....lb. .24½- —
kegs, 5,000 lbs., 1 shipm't..lb. .24½- —
smaller lots.....lb. .24 - —
Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, bls.....lb. .90 - .95
Senna, Alex., half leaf, bls...lb. .22 - .28
siftings, bgs.....lb. .22 - .24
Tinnevelly, No. 1, bls.....lb. .16 - .16½
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bxs.....lb. .15 - .17
Pods, bls.....lb. .13 - .16
Serpentaria root, bls.....lb. .84 - .85
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs., lb. No stocks
natural, bgs.....lb. .11 Nom.
Shellac,[1,4] bonedry, bbls., 1,500 lbs..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500 lbs.....lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3), kgs., 3c. more.
D.C., U.S.O., Diamond I, bgs., lots of 100..lb. .4660- —
lots of 100..lb. .3890- —
Garnet, bgs., lots of 100.....lb. .3890- —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3660- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3960- —
TN, bgs., Boston, N. Y., lots of 100..lb. .3550- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Shortening, trcs.....100 lbs.16.50 -17.00
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works, ton.17.00 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.24.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.15.50 - —
l.c.l., same basis.....ton.18.50 - —
140 mesh, bgs., c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.16.00 - —
Silicon tetrachloride, tech., dms., 55 gals., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- —
10 gals., works.....lb. .27 - —
Silver bullion.....oz. .44¾- —
govt. purchase, dom.....oz. .7111- —
govt. purchase,[1] foreign...oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32¾- —
Nucleinate, bots., dms.....oz. .306 - .358
Proteinate, bots., dms.....oz. .288 - .338
Simarubra bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. No stocks
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .70 - .75
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .40 - .42

How Can an Army Truck Influence Paints?

LOOK AGAIN at the next army truck you pass—a drab and somber looking paint job protects its robust hide.

Stop and consider the wherefor of that paint job. That color is not a matter of accident or economy—it's O.D. camouflage paint made especially to blend with the surrounding terrain, and it possesses a special virtue—its infra-red reflectance characteristics match, within close limits, those of nature's foliage.

The research and application laboratories of Calco have spent much time and effort in the development of dyes and pigments for this purpose, and have thus acquired a fund of knowledge on the science of camouflage.

This ability to supply that extra ounce of technical "know-how" is a major reason for the reputation that Calco enjoys in the trade.

The scope of study devoted to the chemistry of color in these laboratories is, we believe, unrivaled in the dyestuff industry. Now answering pressing war problems, these laboratories also continue to serve their civilian function. The practical application of research in the form of Calco Technical Service, plus Calco colors themselves make an unbeatable combination.

At present, our studies of pigments and toners are being broadened to include the postwar market. For example, we are actively engaged in developing an entirely new line of pigments. They will change current conceptions of fastness to light, acids, alkalis and bleeding. And this is but one part of a comprehensive program!

ARMY (E) NAVY
Calco Dyes Are Better Buys
Calco

Calco Chemical Division
American Cyanamid Company
BOUND BROOK, N. J.

CHICAGO • NEW YORK • PHILADELPHIA • BOSTON • CHARLOTTE • PROVIDENCE

Soapbark, b.s.	lb.	.11¾- .12¾
crushed, bls., bbls.	lb.	.13 - .14
cut, dom., bls., bbls.	lb.	.16 - .19
imp., bbls.	lb.	.18 - .19
powd., bbls.	lb.	.17 - .18
Soda acetate, anhyd., dms., dlvd.,	lb.	.08½- .10
flake, gran., powd., 60%, bbls., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd.	lb.	.05½- .06
NF VII, bbls., dlvd.	lb.	.09½- .10
Alginate, refined, water-soluble, bbls., works.	lb.	.79 - —
semi-refined, bbls., works.	lb.	.42 - —
white, powd., dms.	lb.	1.50 - 1.80
Aluminate,[6] for water treat., bgs., c.l., works.	100 lbs.	7.50 - —
l.c.l., works.	100 lbs.	8.40 - —
other uses, bgs., c.l., works.	100 lbs.	7.00 - —
l.c.l.	100 lbs.	7.50 - 8.00
Antimoniate, bbls., dlvd.	lb.	.15 - .15½
Arsenate,[6] dms., dealers, c.l., works.	lb.	.09½- —
l.c.l., same basis.	lb	.10¾- .11¼
Arsenite,[6] gray, dms., c.l., dealers, works.	lb.	.08¼- —
l.c.l., dealers, works.	lb.	.09 - .10

Soda, arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works.	100 lbs.	1.15 - —
l.c.l., dlvd., zone 1.	100 lbs.	2.18 - —
2	100 lbs.	2.33 - —
3	100 lbs.	2.58 - —
4	100 lbs.	2.98 - —
bbls., c.l., works.	100 lbs.	1.35 - —
2	100 lbs.	2.50 - —
3	100 lbs.	2.75 - —
4	100 lbs.	3.15 - —
bulk, c.l., works.	100 lbs.	.95 - —
Soda ash, extra light, 58%, bgs., c.l.	100 lbs.	1.18 - —
l.c.l., dlvd. zone 1.	100 lbs.	2.18 - —
2	100 lbs.	2.28 - —
3	100 lbs.	2.53 - —
4	100 lbs.	2.93 - —
bbls., c.l., works.	100 lbs.	1.45 - —
l.c.l., dlvd., zone 1.	100 lbs.	2.45 - —
2	100 lbs.	2.60 - —
3	100 lbs.	2.85 - —
4	100 lbs.	3.25 - —
bulk, c.l.	100 lbs.	.90 - —
light, 58%, bgs., c.l., works,	100 lbs.	1.05 - 1.13
l.c.l., dlvd., zone 1.	100 lbs.	2.13 - —
2	100 lbs.	2.28 - —
3	100 lbs.	2.53 - —
4	100 lbs.	2.93 - —
bbls., c.l., works.	100 lbs.	1.35 - —
l.c.l., dlvd., zone 1.	100 lbs.	2.35 - —
2	100 lbs.	2.50 - —
3	100 lbs.	2.75 - —
4	100 lbs.	3.15 - —
bulk, c.l.	100 lbs.	.90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 92°, Ga., Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. N. of 31°; (3) Ark. W. of 92°, Kans., Neb., W. of 98°, N. D., Okla., S. D. Tex. W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate, tech., bbls., 2 tons or more.	lb.	.39 - —
smaller lots.	lb.	.40 - .43
USP, dms., 2 tons or more.	lb.	.46 - —
smaller lots.	lb.	.47 - .53
Bicarbonate, tech., bbls., c.l., works.	100 lbs.	1.70 - —
l.c.l.	100 lbs.	2.05 - —
bgs., c.l., works.	100 lbs.	1.55 - —
l.c.l.	100 lbs.	1.90 - —
USP, gran., bbls., c.l., works,	100 lbs.	2.25 - —
l.c.l.	100 lbs.	2.60 - —
powd., bbls., c.l., works.	100 lbs.	1.55 - —
l.c.l.	100 lbs.	2.51 - —
kgs., c.l., works.	100 lbs.	2.10 - —
l.c.l.	100 lbs.	2.76 - —
Bichromate,[6] spot, bbls., cks., c.l., works.	lb.	.07¾- —
l.c.l., works.	lb.	.07½- .07¾

Soda bichromate in bgs., ½c. less.

Bifluoride, bbl., c.l., frt. alld.	E. lb.	.11½- —
l.c.l., same basis.	lb.	.12 - .14
kgs., l.c.l., same basis.	lb.	.12¾- .14
Bisulphite, powd., bbls., c.l., works.	100 lbs.	3.00 - 3.10
l.c.l., works.	100 lbs.	3.50 - 3.60
solution, 32°, bbls., c.l., works,	100 lbs.	1.30 - —
l.c.l., works.	100 lbs.	1.55 - —
30°, bbls., c.l., works.	100 lbs.	1.35 - —
l.c.l., works.	100 lbs.	1.80 - —
35°, bbls., c.l., wks.	100 lbs.	1.40 - —
l.c.l., works.	100 lbs.	1.65 - —
44°, bbls., works.	100 lbs.	1.55 - —
l.c.l., works.	100 lbs.	1 80 - —
Bromide, NF, gran., bbls., 500 lbs., works.	lb.	.27 - .30
fiber dms., works, 100 lbs.,	lb.	.28 .31

Soda cacodylate, 5-lb. bots., works.	lb.	17.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).		
Caustic flake, powd., 76%, dms., c.l., works.	100 lbs.	2.70 - —
l.c.l., zone 1, dlvd.	100 lbs.	3.55 - —
2, dlvd.	100 lbs.	3.70 - 5.05
3, dlvd.	100 lbs.	3.95 - 5.30
4, dlvd.	100 lbs.	4.35 - 5.70
liquid, 47-49%, buyers' tanks, works.	100 lbs.	1.92½- —
sellers' tanks, works.	100 lbs.	1.95 - —
70%, buyers' tanks, works,	100 lbs.	1.97½- —
sellers' tanks, works.	100 lbs.	2.00 - —
solid, 76%, dms., c.l., works,	100 lbs.	2.30 - —
l.c.l., zone 1, dlvd.	100 lbs.	3.15 - —
2, dlvd.	100 lbs.	3.30 - —
3, dlvd.	100 lbs.	3.55 - —

Caustic soda zones are same as soda ash

Chloride (see Salt).

Chlorate,[6] dom., cryst., bgs c.l., works.	lb.	.06½- —
l.c.l., works	lb.	.06½- —
powd., bgs., c.l., works.	lb.	.06½- —
l.c.l., works	lb.	.07 - .08½
Chromate,[2,6] bbls., cks., c.l., works, frt. equald.	lb.	.08¾- —
l.c.l., works, frt. equald.	lb.	.08¾- .09¼

Soda chromate in bgs. is ½c. lower

Citrate, USP VIII, bls.	lb.	.18½- —
dms.	lb.	.19½- .21½
USP gran., bbls.	lb.	.24 - —
dms.	lb.	.24 - .26
powd., bbls.	lb.	.24½- —
dms.	lb.	.24½- .25½
Cyanide,[6] 96-98%, dms.	lb.	.14½- .15
Diacetate, 33-35% acidity, bbls., dlvd.	lb.	.09½- .10¼
anhy., dms., dlvd.	lb.	.12½- —
Fluoride, white, 90%, bbls., c.l., works.	lb.	.07 - —
l.c.l., works	lb.	.08 - —
95%, bbls., c.l., works.	lb.	.07½- —
l.c.l., works	lb.	.08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glutamate, monobasic, kgs.	lb.	1.04 - 1.06
Glycerophosphate, NF, cryst., bbls., 1,000 lbs.	lb.	1.25 - —
smaller lots	lb.	1.40 - 1.60

powdered, 5c. higher.

solution, 50%, cbys., cns.	lb.	.82 - .90
Hydrosulphite, dms., frt. alld.,	lb.	.17 - .18
Hydroxide, USP, sticks dms.	lb.	.14½- .26
Hypophosphite, NF, cns.	lb.	.67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald.	100 lbs.	2.25 - —
l.c.l., same basis.	100 lbs.	2.50 - —
pes, bgs., c.l., works.	100 lbs.	2.60 - —
l.c.l., works.	100 lbs.	2.75 - 3.95

Soda hyposulphite in bbls., 20c higher, in dms., 50c. higher.

Iodate, dms., jars.	lb.	5.40 - 5.45
Iodide, bots.	lb.	2.53 - 2.57
dms., jars	lb.	2.42 - —
Mandelate, dms.	lb.	3.25 - 3.30
Metanilate, bgs.	lb.	.40 - —
Metasilicate,[6] anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.00 - —
l.c.l., same basis.	100 lbs.	4.90 - 5.20
gran., bbls., c.l., works, frt. equald.	lb.	2.50 - —
l.c.l., dlvd.	100 lbs.	3.30 - 3.55
Molybdate,[6] anhyd., kgs., works,	lb.	.47 - —
Monohydrated, bbls.	100 lbs.	3.00 - —
works	100 lbs.	2.55 - —
Naphthionate, bbls.	lb.	.50 - —
Nitrate,[6] crude, dom., 100-lb. bgs. c.l., works.	ton.	20.05 - —
bulk, same basis.	ton.	27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse.	ton.	33.00 - —
200-lb. bgs., same basis.	ton.	32.40 - —
bulk, same basis.	ton.	30.00 - —
refd., gran., bbls., 10 tons,	100 lbs.	3.60 - —
smaller lots.	100 lbs.	3.75 - 4.00
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equald.	lb.	.06¾- —
West Coast ports.	100 lbs.	8.00 - 8.05
l.c.l., dlvd.	100 lbs.	8.90 - 11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald.	lb.	4.50 - —
l.c.l., same basis.	100 lbs.	5.45 - 5.85
flake, dms., c.l., wks.	100 lbs.	3.15 - —
l.c.l., dlvd.	100 lbs.	4.30 - 4.55
Palate neut., bbls.	lb.	.10 - .11
Pentachlorophenate briquets, bgs., works, frt. equald.	lb.	.17 - .18
powd., bgs., c.l., works, frt. equald.	lb.	.16 - .16½
l.c.l., works, frt. equald.	lb.	.17 - —
bgs. works, frt. equald.	lb.	.19 - —
Pantothenate, dext., 100-gram bots.	per gram.	.15 - —
Perborate,[6] NF, bbls., c.l., works.	lb.	.14¾- —
l.c.l. works.	lb.	.15¼- —
Peroxide,[6] dms., c.l., dlvd. E. of Miss.	lb.	.14 - —
smaller lots.	lb.	.17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works.	100 lbs.	6.00 - 6.25
l.c.l., works.	100 lbs.	6.50 - 7.25
cryst., bgs., c.l., works.	100 lbs.	2.55 - 2.70
l.c.l., works.	lb.	2.95 - 3.45
USP, bbls., dms., works.	lb.	.08 - .10
dried, bbls., dms., works,	lb.	.11¼- .13
monobasic, anhydrous, bgs., c.l., works.	100 lbs.	7.25 - 9.25
l.c.l., works.	100 lbs.	8.00 - 9.00
tribasic,[6] anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	6.00 - —
l.c.l., same basis.	100 lbs.	6.50 - —
cryst., bgs., c.l., same basis.	100 lbs.	2.70 - —
l.c.l., same basis.	100 lbs.	3.40 - —
kgs., c.l., works.	100 lbs.	3.40 - —
l.c.l., works.	100 lbs.	4.15 - —

USP (see Sodium phosphate, dibasic).

Soda phosphate in bbls. is 20c. higher.

Prussiate, yellow, bgs., con- tracts, works.	lb.	.09¾- .10¼
spot	lb.	.10¾- —
bbls., contract, works.	lb.	.10 - .10¼
spot	lb.	.11 - —
Pyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald.	100 lbs.	5.28 - 6.10
l.c.l., same basis.	100 lbs.	5.40 - 6.60
bbls., c.l., wks., frt. equald.,	100 lbs.	5.45 - 6.30
l.c.l., same basis.	100 lbs.	5.60 - 6.60
Ricinoleate, tech., bbls.	lb.	.12 - —
gal. bgs.	100 lbs.	1.35 - —
works	100 lbs.	1.10 - —
bbls	100 lbs.	1.40 - —
works	100 lbs.	1.20 - —
Salicylate, bbls., dms., kgs.	lb.	.52 - .55
Sesquicarbonate, bgs., c.l., works.	100 lbs.	1.50 - —
bbls., c.l., works.	100 lbs.	1.70 - —

Chromates
CLIPPERS and CORROSION

Chromium Chemicals have a unique place in the field of metallurgy where they are used to treat metal surfaces, either anodically or as dips, and also as a base for the pigments which are subsequently applied as primers. They thus inhibit corrosion and retard structural failures on the metal itself, and condition the surface so that it becomes an excellent bond for primer paints. They have multiple uses in practically every type of aircraft and are particularly important to amphibians and flying boats which are exposed to the corrosive influences of salt water.

Anodizing with Chromic Acid is standard practice for the treatment of aluminum surfaces, so important to our aviation industry. Other Chromium Chemicals are used on magnesium and other metals, in the form of dips or similar treatments.

In the pigment field, they constitute the base for such important priming paints as Zinc Chromate, Chrome Oxide, and Chrome Green. Mutual's technical staff have made many valuable contributions to these and similar applications, and the services of their Research Department are available to companies interested in the use of Chromium Chemicals.

BICHROMATE OF POTASH • BICHROMATE OF SODA • CHROMIC ACID

MUTUAL CHEMICAL CO. OF AMERICA — NEW YORK, N.Y.

CHROMIUM CHEMICALS

MUTUAL CHEMICAL COMPANY OF AMERICA

270 MADISON AVENUE NEW YORK CITY

Soda sesquicarbonate, bgs., l.c.l., zone 1, dlvd.	100 lbs.	2.70	—
2, dlvd.	100 lbs.	2.85	—
3, dlvd.	100 lbs.	3.10	—
4, dlvd.	100 lbs.	3.50	—
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.			
Sesquisilicate, dms., c.l., works,	100 lbs.	3.05	—
l.c.l., dlvd.	100 lbs.	4.05	- 4.30
Silicate, 40° turbid, dms., c.l., works.	100 lbs.	.80	—
l.c.l., works	100 lbs.	1.05	- 1.20
tanks, works	ton.	13.00	—
52°, dms., c.l., works.	100 lbs.	1.40	—
l.c.l., works	100 lbs.	1.65	- 1.80
tanks, works	ton.	25.00	—
Silicofluoride, bbls., c.l., works,	lb.	.06½-	.07
l.c.l., same basis	lb.	.08	- .13
Stannate, dms., works, frt. alld. E.	lb.	.32½-	.36½
Stearate, bbls., works	lb.	.19	- .24
Sulphate, NF, dried, powd.,	bbls.	.07	- .07½
tech., anhyd., bgs., bbls., c.l., works.	100 lbs.	1 70	- 1.90
5 tons or more, works.	100 lbs.	1.95	- 2.15
less than 5 tons, works.	100 lbs.	2.20	- 2.40
cryst. (see Glauber's salt).			
USP, cryst., gran. bbls.	lb.	.10	- .10½
Sulphide, cryst., bbls. c.l., works.	100 lbs.	2.40	—
l.c.l., dlvd.	100 lbs.	2.90	- 3.15
solid, bbls., c.l., works.	100 lbs.	2.15	—
l.c.l., dlvd.	100 lbs.	3.65	- 3.90
bgs., works	100 lbs.	2.10	- 2.35
bbls., same basis	100 lbs.	2.39	- 2.55
powd., bbls., c.l.	100 lbs.	5.25	—
l.c.l.	100 lbs.	5.50	- 6.00
Sulphocarbolate, USP IX, gran., bbls., dms.	lb.	.28	- .33
powd., bbls.	lb.	.30	- .31
Sulphocyanide, CP, dms.	lb.	.55	- .65
Sulphohydrate, liquid, 38% basis 100%, dms., c.l., works.	lb.	.05½-	—
l.c.l., works	lb.	.06	- .08
tanks, works	lb.	.04½-	—
flake, 70-72%, dms., c.l., works.	lb.	.04½-	—
l.c.l., works	lb.	.05	- —
Sulphoricinoleate, bbls.	lb.	.13	- —
Thiosulphate (see Soda hyposulphite).			
Tungstate,[6] tech., kgs.	lb.	1.35	- 1.50
Soda-formaldehyde sulphoxylate, stand cont. (125-250 lbs.)	lb.	.19	- .23
Solvent naphtha, dms., wks.	gal.	.31	- .33
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.27	- —
Minnequa, Cole.	gal.	.27	- —
high-flash, dms., works.	gal.	.32	- —
tanks, frt. alld. E. of Omaha.	gal.	.27	- —
Sorbitol,[6] com'l, dms., works.	lb.	.17¾-	—
Soybean meal,[1] 41%, Decatur, bulk, c.l.	ton.	45.00	- —
Protein, alpha, bgs., 40,000-60,000 lbs., works.	lb.	.19	- —
100-40,000 lbs., works.	lb.	.19¼-	.19¼
less than 100 lbs., works.	lb.	.23	- —
Sparteine sulphate, bots., cns.	oz.	1.80	- 1.90
Spearmint leaves, bls.	lb.	.45	- .47
Spikenard root, bls.	lb.	.50	- .55
Spruce extract, liq., reg., bbls., c.l., works.	lb.	.02¼-	—
tanks, works	lb.	.01½-	—
pwd., super, bgs., c.l., wks.	lb.	.04½-	—
Squawvine leaves, bls.	lb.	.14	- .15
Squill, red, powd.	lb.	.85	- .88
White, bls.	lb.	.14	- .16
powd., bbls., bxs.	lb.	.18	- .19
St. Ignatius beans, bgs.	lb.	No stocks	
St. John's bread, edible, bls.	lb.	.17	- .18
Starch, corn, pearl, bgs.	100 lbs.	4.06	—
Chicago	100 lbs.	3.72	—
powd., bgs.	100 lbs.	4.19	—
Chicago	100 lbs.	3.83	—
Potato, bgs., c.l.	lb.	.0637-	—
l.c.l.	lb.	.0712-	—
Rice, bgs., c.l.	lb.	No stocks	
Sweetpotato, bgs.	lb.	No stocks	
Wheat, thick boll, bgs.	lb.	.05	- —
Starch iodide, bots.	lb.	1.67	- —
Stearin, oleo (see Oleostearin).			
Stillingia root, bls.	lb.	No stocks	
Stoneroot, bls.	lb.	.07½-	.08
Storax, cs.	lb.	1.35	- 1.50
Stramonium leaves, bgs.	lb.	.22	- .26
Seed, bgs.	lb.	.20	- .21
Strontium bromide, cns., dms.	lb.	.52	- .54
Carbonate, 90%, bbls.	lb.	.14	- .16
98%, bbls.	lb.	.23	- .26
Chloride, tech., bbls.	lb.	.22	- .24
Chromate, bbls., kgs., Phila.	lb.	.25	- .27
Iodide, bots.	lb.	2.05	- 2.15
jars, 25 lbs.	lb.	2.00	—
Lactate, dms.	lb.	1.20	- 1.35
Nitrate, bbls., c.l., works.	lb.	.07¾-	—
l.c.l., works	lb	08¼-	.08¾
Oxalate, bbls.	lb.	.37½-	—
Salicylate, bbls., kgs.	lb.	1.10	- —
dms.	lb.	1.15	- —
Sulphate, nat., 92% min., air-floated, 300 mesh, c.l., works.	ton.	52.00	- —
l.c.l., works	ton.	54.00	- —
Strontium-calcium sulphide, phosphorescent, works, frt. alld.,	lb.	2.50	- 2.65
Strophanthin, bots.	oz.	20.00	-27.00
Strophanthus seed, Komba, bgs.	lb.	2.65	- 2.70
Styrolyl acetate, bots.	lb.	2.00	- 2.10
Strychnine, cryst., cns., 100 ozs.	oz.	.70	- —
powd., cns., 100 ozs.	oz.	.80	- —
Acetate, cns., 100 ozs.	oz.	.85	- —
Arsenate, cns., 100 ozs.	oz.	.91	- —
Arsenite, cns., 100 ozs.	oz.	.86	- —
Glycerophosphate, cns., 100 ozs.	oz.	.89	- —
Hydrochloride, cns., 100 ozs.	oz.	.88	- —
Hypophosphite, 25-oz. cns., 100 ozs.	oz.	1.00	- —
Nitrate, 100 ozs.	oz.	.82	- —
Phosphate, 100 ozs.	oz.	.89	- —
Sulphate, cryst., cns., 100 ozs.	oz.	.55	- —
powd., cns., 100 ozs.	oz.	.48	- —
Sucrose octa-acetate, denat., bbls., l.c.l., works.	lb.	.45	- —
tech., bbls., l.c.l., works.	lb.	.40	- —
Sugar coloring (see Caramel coloring).			
Sugar of milk (see Milk sugar).			
Sulphadiazin, 100-lb. dms.	lb.	9.00	- —
Sulphaguanidin, 100-lb. dms.	lb.	5.50	- —
Sulphanilamide, bots.	lb.	1.25	- —
5lb. dms.	lb.	.90	- 1.00
Sulphapyridin, powd., bots., tins.	lb.	5.00	- 5.20
Sulphathiazole, dms.	lb.	3.00	- —
smaller lots	lb.	3.10	- 3.50
Sesquihydrate, prices same as sulphathiazole			
Sulphonethylmethane, kgs.	lb.	6.75	- 6.85
Sulphonmethane, kgs.	lb.	5.25	- 5.28
Sulphur, crude, bgs., c.l., works.			
l.c.l., works	100 lbs.	2.00	- 2.15
bulk, mines, contracts	long ton.	16.00	- —
f.o.b. vessels, Gulf ports, contract	long ton.	17.50	- —
flour, comm'l, 99½%, bgs., c.l., works.	100 lbs.	1.65	- —
l.c.l., works	100 lbs	2.00	- 2.1[illegible]

Sulphur, precipitated, USP, bbls., kgs.	lb.	.18	- .30
refined, flour, extra fine, bgs.	100 lbs.	1.65	—
c.l., works.	100 lbs.	2.00	—
l.c.l., works.	100 lbs.	2.25	- 2.40
heavy, bgs., c.l., works.	100 lbs.	2.60	—
l.c.l., works.	100 lbs.	2.95	- 3.10
light, bgs., c.l., works.	100 lbs.	2.70	—
l.c.l., works.	100 lbs.	3.05	- 3.20
Refined sulphur in bbls., 25c. higher.			
USP, bgs., c.l., works.	100 lbs.	3.05	—
l.c.l., works.	100 lbs.	3.40	- 3.55
rock, bbls., c.l., works.	100 lbs.	2.20	—
l.c.l., works.	100 lbs.	2.55	- 2.70
roll, bbls., c.l., works.	100 lbs.	2.40	—
l.c.l., works.	100 lbs.	2.75	- 2.90
Chloride, 55-gal. dms., c.l., works.	lb.	.03	- .03½
l.c.l., works	lb.	.04	- .04½
10-gal. dms., c.l., works.	lb.	.07	- .07½
l.c.l.	lb.	.08	- .08½
Sulphur dioxide, liquid, cyls., works.	lb.	.07	- .08
multi-unit cars, works.	lb.	.04½-	.06
tanks, works	lb.	.04	- .06
refrigeration, cyls., works.	lb.	.18	- .21
multi-unit cars, works.	lb.	.06½-	—
Iodide, bots., jars	lb.	3.90	- 4.11
Sumac extract, No. 1, bbls.	lb.	.08	—
No. 2, bbls.	lb.	.07	-
stainless, bbls.	lb.	.09	- .11
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, prodection points, Balto.	unit-ton.	.64	—
Florida	unit-ton.	.50	- .55

Superphosphate, pulverized, run-of-pile, 22%, a.p.a., bulk, prod. points.	unit-ton.	.55	- .64
deliver points, Ariz., Calif., Colo., Ida., Kans., Nev., N.M., Ore., Utah, Wash., 58½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.50 per ton.			
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 18%, 19% or 20% a.p.a., ¼c. per unit-ton higher.			
triple, 40% and more a.p.a., bulk, producing points, Florida.	unit-ton.	.62	—
South Carolina.	unit-ton.	.65	—
Tennessee	unit-ton.	.74	—
Other States and D.C., 63c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.			

T

Talc, grd., dom., aluminum-flake type, bgs., c.l., works.	ton.	14.50	-24.50
l.c.l., works	ton.	16.50	-30.00
Calif., bgs., c.l., works.	ton.	17.50	-42.00
N.Y., fibrous, coarse, off-color, bgs., c.l., works.	ton.	13.00	—
fine, 325 mesh, 98-99%, bgs., c.l., works.	ton.	18.00	-18.00
99-99.5%, bgs., c.l., wks.	ton.	18.25	-19.25
99.55-99.95%, bgs., c.l., works.	ton.	17.00	-21.00
Pennsylvania, bgs., c.l., works.	ton.	11.00	-13.50
l.c.l. works	ton.	12.00	-14.50
Talc, Vermont, bgs., c.l., works.	ton.	14.00	—
l.c.l., works	ton.	15.00	—
imp., Canad., bgs., c.	ton.	24.00	-30.00
Tallow,[1,5] edible, tanks.	lb.	.09¾-	—
inedible, extra, loose	lb.	.06¾-	—
special, loose	lb.	.06½-	—
sulphonated, 25% (24% fat), dms., c.l.	lb.	.05¾-	—
50% (48% fat), dms., c.l.	lb.	.06¾-	—
50% (48% fat), dms., c.l.	lb.	.07¾-	—
Tallow, sulphonated, l.c.l., 1c. higher.			
Tamarind, bbls.	lb.	.14	- .15
Tankage,[1] animal, feed, 9-11% ammon., bulk.	unit-ton.	5.53	—
Chicago	unit-ton.	5.53	—
fert. grd., 9% ammon., 10% b.p.l., bulk.	unit-ton.	4.00	& .10
10-11% ammon., 15% b.p.l., bulk, Chicago.	unit-ton.	4.00	& .10
Tapioca flour,[1,4] Brasil, bgs.	lb.	.06½-	.07¼
Java, bgs.	lb.	No stocks	
Tar acid oil,[5,6] 15-18%, dms., c.l., works.	gal.	.30½-	.27½
l.c.l., works	gal.	.28½-	.29½
25%, dms., c.l., works.	gal.	.30	- .31½
l.c.l., works	lb.	.32	- .33½
Pine, retort, dms., c.l., dlvd. East.	gal.	.23¾-	—
l.c.l., f.o.b. works	gal.	.29¾-	—
tanks, dlvd. East	gal.	.27	- —
tanks, East	gal.	.24½-	—
Tara, powd.	ton.	125.00	- —
Tarragon herb, bgs.	lb.	1.50	- 1.70
Tartar emetic, tech., gran. or powd., bbls., kgs.	lb.	.47¾-	.48
dms.	lb.	.48¾-	.51

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Tartar emetic, USP, powd., bbls. lb. .52½- .53
South..lb. .34½- —
l.c.l., South..lb. .36 - .36½
USP, cryst.. bbls.. dms....lb. .70 - .75
Terpin hydrate, com'l, bbls., c.l., powd., bbls.. dms.....lb. .75 - .80
Terpineol, com'l dms., c.l., South. lb. .13½- —
l.c.l., South..lb. .14 - —
tanks, South..lb. .13 - —
pure, dms..lb. .35 - .50
alpha (see A).
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime. cns., dms.....lb. .75 - 1.00
Terpinylglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works..lb. .20 - —
tanks, works..lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .08 - .08½
Tetrachlorethylene, N.F., VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb. 12.50 - —
Theobromine,[1,6] makers, primary distrib., dms., 25-lb. lots..lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride,[6] bota., dms., 100 grams..kils. 200.00- —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works....lb. 2.00 - —
Thyme,[1] Spanish, bls.....lb. .21 - .21½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, bots.....lb. 3.85 - 4.10
dms.....lb. 3.40 - 3.80
Tikitiki (see Rice bran).
Timbo root,[2,6] (see Cube root)
Tin chloride, anhydrous.....lb. No stocks
Crystals, bbls., bgs.....lb. No stocks
Metal,[1,6] Straits.....lb. .52 - —
Oxide, bbls.....lb. No stocks
Tetrachloride, anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[3,6] chalk resistant, ogs., c.l., divd..lb. .15 - —
l.c.l., 5 tons one deliv., divd..lb. .15½- —
smaller lots, divd....lb. .15½- .15¾
nonchalking,[6] bgs., c.l., divd. E..lb. .16½- —
l.c.l., 5 tons one deliv., divd..lb. .16¾- —
smaller lots, divd.....lb. .17 - .17¼
plain,[6] bgs., c.l., divd.....lb. .14½- —
l.c.l., 5 tons one delivery, divd..lb. .14¾- —
smaller lots, divd....lb. .15 - .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[6] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd.....lb. .06 - —
calcium base,[6] bgs., c.l., divd., lb. .05½- —
l.c.l., divd.....lb. .05¾- —
calcium-rutile base,[6] bgs., c.l., divd..lb. .06½- —
l.c.l., divd.....lb. .06¾- —
magnesium base,[6] bgs., c.l., divd..lb. .05¾- —
l.c.l., divd.....lb. .06 - —
Titanium dioxide and pigment in bbls. ½c higher; Pac. cst., ¼c. higher, c.l., divd., l.c.l., ex whse.
Tetrachloride, CP, dms., works, 55-gal..lb. .57 - —
smaller pkgs. works.....lb. .65 - 1.25
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. .80 - .82
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
mixed, dms.....lb. .9[illegible]
Toluol[6] (toluene), 2° indus., dms., return..gal. .28 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .26 - —
West, Minnequa, Colo...gal. .29 - —
1° nitration, dms., return..gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West, Minnequa, Colo...gal. .29½- —
Tonga, 50% bark and vine, bbls.lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Brasilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., oz. .52 - —
Triacetin, dms., works.....lb. .32 - —
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works. lb. .96 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., divd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., same basis.....lb. .06½- —
tanks .....lb. .07½- —
Trichloroethylene,[6] d ms., c.l., works, frt. alld. Zone 1..lb. .08 - —
Zone 2, same basis....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene l.c.l., prices, ½c. higher. Zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N.J., N. Y., N.C., Ohio, Pa., R.I., Tenn., Vt., Va., W. Va., Wis., Omaha, K.C., Kan.; (3) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N.D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] CP, cns., works..lb. .42½- .54½
dms., c.l., divd.....lb. .37½- —
l.c.l., divd.....lb. .40½- —
tech., cns., works.....lb. .28½- .45½
dms., c.l., divd.....lb. .32 - .31
l.c.l., divd.....lb. .35½- .31¾
tanks, divd.....lb. .34 - .39
Triethanolamine,[6] dms., c.l., works..lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, cns.....lb. .46 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol[6] dms.....lb. .26 - —
Trimethylamine, dms., c.l., divd. lb. .85 - —
l.c.l., divd.....lb. .90 - —
Triphenyl phosphate,[6] bbls....lb. .81 - .83
Tripoli, air-floated, bgs., c.l., works..ton. 21.50 - —
double grd., bgs., c.l., works. ton. 17.50 - —
once-grd., bgs., c.l., works..ton. 16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,4] (see Derris root).
Tungsten metal, powd.,[6] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Aleppey, bgs..lb. .12 - .13½
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .83½- .84
sulphate-wood, dms., c.l....gal. .65 - .75
tanks .....gal. .57 - .67
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[2] ret. dms....gal. .77 - .80
tanks .....gal. .72 - —

U

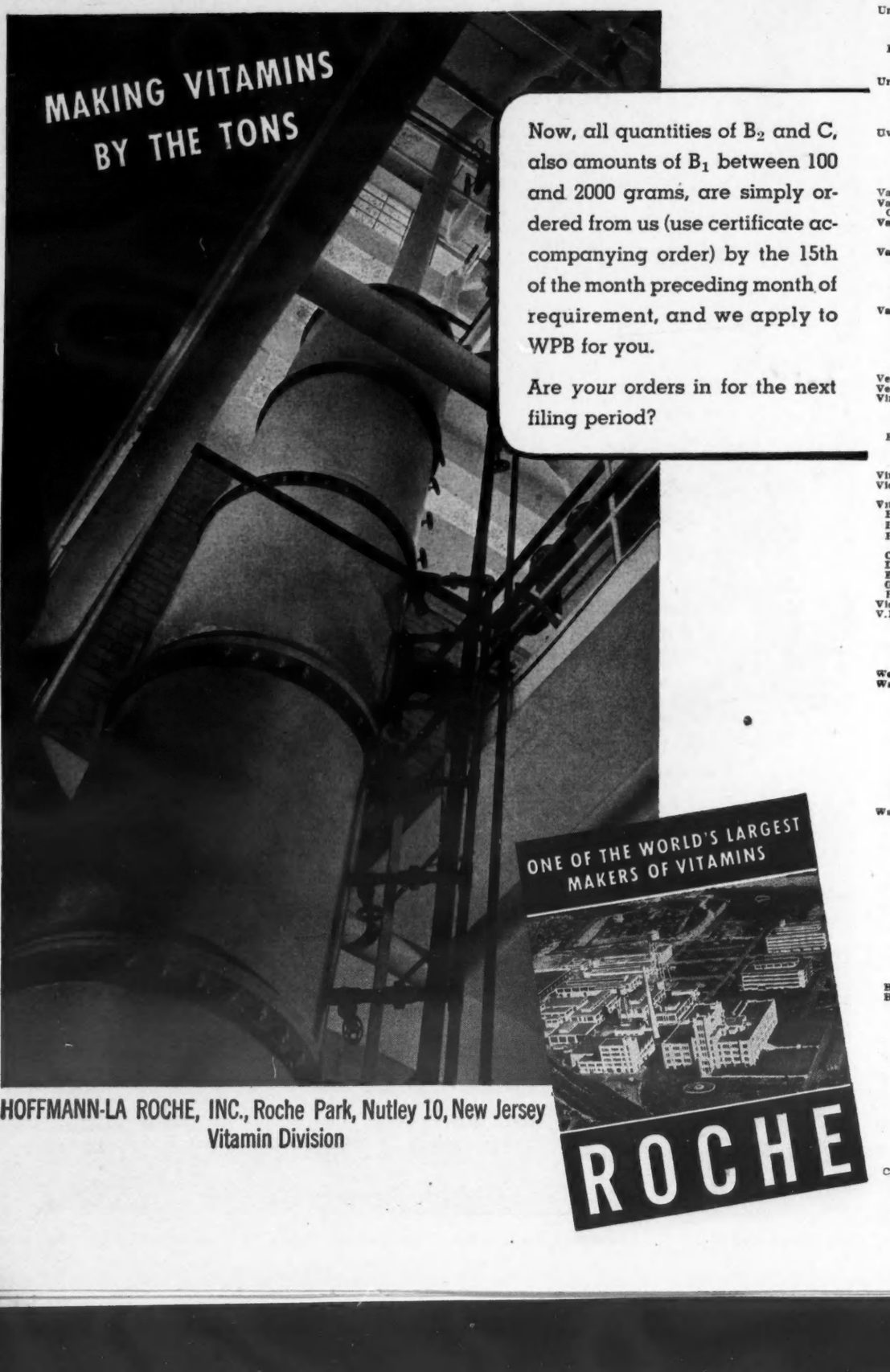
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.35 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton. 75.00 - —
l.c.l., ship. pts.....ton. 77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports. ton. 87.40 - —
Urea-ammonia liquor, 45% N., tankcars, c.l., works or A. or G ports..ton N. 121.58 - —
37% N. (insoluble), same basis. ton N. 127.00 - —
Uva ursi leaves, bls.....lb. .22 - .26

V

Valerian root, N.F., bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s..ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb. 9.25 - 9.50
Mexican, cuts, tins.....lb. 8.00 - 8.50
whole, tins.....lb. 9.00 -11.00
Tahiti, while label, tins...lb. 3.75 - 4.00
yellow label, tins.....lb. 3.50 - 3.75
West Indian, tins.....lb. 8.00 - 8.50
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls.. bgs.....lb. .22 - .23
Vinyl acetate,[6] cbys., wks....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works.....lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .85 - —
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol)... mil units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alpha Tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .60 - .65
Wattlebark, E. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers account... ton. 50.00 - —
So. Afr., bgs., f.a.s., based on freight $11.70 insurance $1 per ton. Difference for buyers account.....per ton. 50.00 -52.50
liquid, bbls.....lb. .05¾- —
tanks .....lb. .05¼- —
solid, bgs., basis 60% tannin, plus import duty....per lb. .0515- —
Wax, amorphous, 160°-165°, m.p., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14¼- —
smaller lots.....lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13¾
white, cnts., 30 tons, same basis..lb. .24¾- —
smaller lots.....lb. .25 - .25¾
160°-185° m.p., amber, cnts., 30 tons, same basis..lb. .16½- —
smaller lots.....lb. .16¾- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
Bayberry, bgs.....lb. No stocks
Bees[1], bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton.lb. .60 - —
ctns., ton.....lb. .61 - .62
slabs, bgs., ton.....lb. .57 - —
yellow, crude, African, bgs., ton..lb. .37½- —
Cent. or So. Amer., sun-bleachable, bgs., ton.lb. .44¾- —
unbleachable, bgs., ton.lb. .41½- —
ref'd, USP, bricks, bgs., ton. lb. .53½- —
discs, bgs., ton.....lb. .55½- —
ctns., ton.....lb. .56½- .58½
rounds or squares, bgs., ton..lb. .57½- —
ctns., ton.....lb. .58½- .60½
slabs, bgs., ton.....lb. .52½- —
Candelilla,[1] crude, bgs., ton..lb. .38 - —
smaller lots.....lb. .39 - .48
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54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Vitamin Division

Wax, carnauba,[1] chalky No. 3, bgs., ton	lb.	.71½ -	—
smaller lots	lb.	.72½ -	.81¼
North Country No. 2, bgs., ton	lb.	.75¾ -	—
smaller lots	lb.	.76¾ -	.85¾
No. 3, bgs., ton	lb.	.73½ -	—
smaller lots	lb.	.74½ -	.83¼
refined, bgs., ton	lb.	.76¾ -	.80
smaller lots	lb.	.77¾ -	.90
yellow, No. 1, bgs., ton	lb.	.83¼ -	—
smaller lots	lb.	.84¼ -	.93¾
No. 2, bgs., ton	lb.	.81¼ -	—
smaller lots	lb.	.82¼ -	.91¼
No. 3, bgs., ton	lb.	.79 -	—
smaller lots	lb.	.80 -	.89
powdered (same differentials as candelilla).			
Ceresin, dom., 138°-140° m.p., bgs., ton	lb.	.13½ -	.14
jobbing lots	lb.	.14½ -	.15
150°-160° m.p., bgs., 1 ton lb.		.15½ -	.16
jobbing lots	lb.	.16½ -	.17
160°-170° m.p., bgs., 1 ton lb.		.16½ -	.17
jobbing lots	lb.	.17½ -	.18
Japan, cs.	lb.	No stocks	
Montan, bgs.	lb.	No stocks	
Ouricury,[1] bgs., ton	lb.	.49½ -	.51¾
smaller lots	lb.	.50½ -	.61¾
powdered (same differentials as candelilla)			
refined, bgs., ton	lb.	.62 -	—
smaller lots	lb.	.63 -	.72
Paraffin (see under P).			
Spermaceti, blocks, cs.	lb.	.26 -	.27
cakes, cs.	lb.	.27 -	.28
White lead (see Lead, white).			
White pine bark, rossed, bls.	lb.	.15 -	.16
White precipitate,[2] powd., dms., 50 lbs. or more	lb.	2.44 -	—
Whiting, chalk, dry-grd., bgs., c.l.	ton.	18.00 -	22.00
l.c.l.	ton.	20.00 -	24.00
wet-ground, bgs., c.l.	ton.	21.00 -	25.00
l.c.l.	ton.	25.00 -	29.00
gilders, bolted, bgs., c.l.	ton.	20.00 -	24.00
l.c.l.	ton.	21.00 -	25.00
extra-bolted, bgs., c.l.	ton.	22.00 -	26.00
l.c.l.	ton.	23.00 -	27.00
Paris white, bgs., c.l.	ton.	24.00 -	28.00
limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works	ton.	6.00 -	—
smaller lots, N.E., wks.	ton.	7.00 -	9.00
wet-grd., air-floated, 300 mesh, 99¼%, bgs., c.l.	ton.	9.35 -	10.10
200 mesh, bgs., c.l.	ton.	8.60 -	9.50
90%, bgs., c.l.	ton.	6.25 -	7.00
water-floated, extra gilders, bgs., c.l.	ton.	13.00 -	—
gilders, bgs., c.l.	ton.	12.45 -	—
putty grade, bgs., c.l.	ton.	12.00 -	—
Precipitated, bgs., c.l.	ton.	14.00 -	15.00
l.c.l.	ton.	18.00 -	20.00
Wild cherry bark, thick, bls.	lb.	.05½ -	.06
rossed, bls.	lb.	.15 -	.18
thin, bls.	lb.	.17 -	.18
rossel, green, bls.	lb.	.23 -	.24
Wild indigo root, bls.	lb.	.18 -	.19
Witch-hazel extract, dist., NF, bbls.	gal.	.70 -	.75
Leaves, bls.	lb.	.10 -	.12
Witherite (see Barium carbonate, natural),			
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N.Y.	ton.	20.00 -	—
60 mesh, same basis	ton.	24.00 -	—
80 mesh, same basis	ton.	27.00 -	—
100 mesh, same basis	ton.	30.00 -	32.00
Woodflour, in bags, 25c. each extra, returnable.			
Wormseed, American, bgs.	lb.	.20 -	.25
Levant	lb.	6.50 -	—
Wormwood, bls.	lb.	.50	Nom.

X

Xylene (see Xylol).			
Xylol[9] (xylene), indus., dms. return., works	gal.	.32 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.27 -	—
West, Minnequa, Col.	gal.	.27 -	—
10°, dms., return, works	gal.	.35 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.30 -	—
5°, dms., return, works	gal.	.42 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.37 -	—
3°, dms., return, works	gal.	.47 -	—
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.42 -	—
Xylol petroleum solvent, ret. dms., No. N. J.	gal.	.28 -	—
Xylidin, mixed, dms.	lb.	.35 -	.38

Y

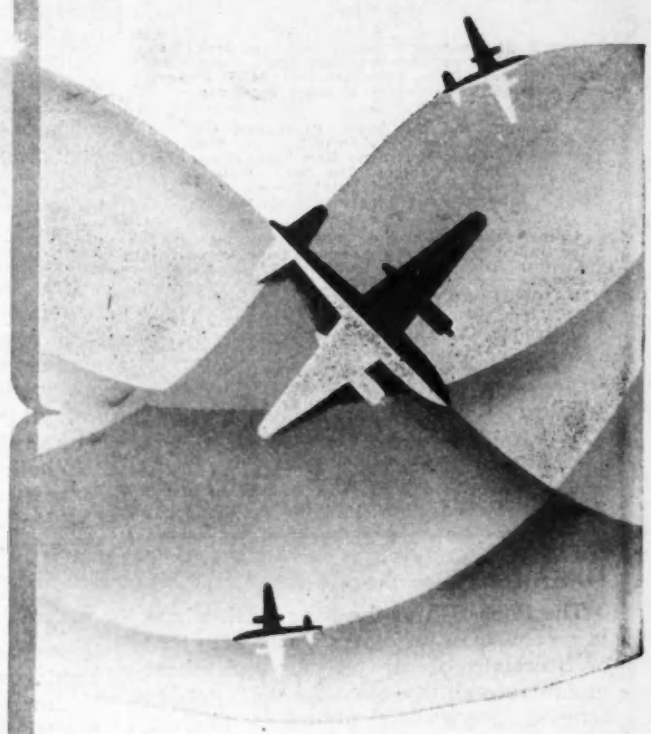
Yara yara, cryst., bots., cns.	lb.	1.75 -	2.30
Yeast, brewer's, dry, 50 B units, dms.	lb.	.35 -	—
90 B units, dms.	lb.	.45 -	—
200 B units, dms.	lb.	.50 -	—
300 B units, dms.	lb.	.60 -	—
Yellow, benzidin, bbls., divd.	lb.	1.35 -	2.25
Cadmium, CP, import, bxs.	lb.	1.35 -	1.40
Chrome CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, con. tracts,	lb.	.16 -	—
Chrome yellow prices are ¼c. higher, divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher devld. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch, pink, bbls.	lb.	.08 -	.11
Hansa, bbls., same basis as chrome	lb.	1.27 -	—
primrose, bbls., same basis	lb.	1.75 -	—
Lithopone, bbls., ton, E. of Rockies	lb.	.55 -	—
packages, same basis	lb.	.65 -	—
Sulphide, orange, cs., kgs., works	lb.	1.10	Nom.
Mercury oxide, bbls., 1,000 lbs. lb.		2.27 -	—
smaller lots	lb.	2.29 -	—
Ocher, American, golden, bbls., works	lb.	.04½ -	.05¼
yellow, bbls., works	lb.	.02 -	.02¾
French type, bbls., c.l.	lb.	.0345 -	—
l.c.l.	lb.	.0365 -	—
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa.	lb.	.04½ -	—
l.c.l., same basis	lb.	.05 -	—
synth., bbls., c.l., works	lb.	.07 -	—
l.c.l., works	lb.	.071 -	—
Persian orange (see O).			
Zinc,[6] bbls., same basis as chrome	lb.	.15 -	—
Navy spec. type, bbls., contracts	lb.	.15 -	—
Yellow dock root, bls.	lb.	.38 -	.40
Yellow root (xanthoriza), bls.	lb.	.18 -	.20
Yerba santa leaves, bls.	lb.	.14	Nom.
Yohimbine hydrochloride, vis.	oz.	3.00 -	5.75

Z

Zein,[6] bgs., 1,000 lbs., works	lb.	.25 -	—
smaller lots, works	lb.	.30 -	—
Zinc acetate, tech., bbls., divd.	lb.	.16 -	.17
USP, bbls., 250 lbs.	lb.	.26 -	.27
kgs., 100 lbs.	lb.	.29 -	—
Arsenite,[1] bgs., c.l., frt alld. E. of Rockies	lb.	.11¾ -	.13¼
l.c.l., same basis	lb.	.12¼ -	.15¾
Borate, bgs., c.l.	lb.	.12 -	—
l.c.l.	lb.	.12½ -	—
Carbonate, tech., bbls.	lb.	.14 -	.20
USP, precip., powd., bbls.	lb.	.35 -	—
dms.	lb.	.40 -	—
kgs.	lb.	.37 -	—
Chloride, tech., fused, c.l., works, 100 lbs.		5.00 -	—
l.c.l., works, 100 lbs.		5.35 -	—
gran., dms., c.l., works, 100 lbs.		5.75 -	—
l.c.l., works, 100 lbs.		6.50 -	—
Chloride, USP, dms.	lb.	.30 -	.31
jars	lb.	.35 -	.36
solution, 50%, dms., c.l., works.	lb.	.0315 -	—
l.c.l., works	lb.	.04¼ -	.04½
tanks, works	lb.	.0250 -	—
Chromate (see Yellow, Zinc).			
Cyanide, kgs., works	lb.	.33 -	.37
Dust,[6] bbls., c.l., divd.	lb.	.1035 -	—
l.c.l., works	lb.	.1135 -	—
Fluoride, bbls.	lb.	.25 -	.30
Iodide, NF, bots.	lb.	4.54 -	—
jars	lb.	4.40 -	—
Metal,[1,2,6] (quotations in Paint Market report).			
Naphthenate, 8%-10% Zn, 50-gal. dms.	lb.	.18 -	.19¼
Laurate, bbls.	lb.	.32 -	.33
Oxide, pigment, dom., acicular,[6] bgs., c.l., divd.	lb.	.07½ -	—
l.c.l., divd.	lb.	.07½ -	—
Zinc oxide, pigment, dom., lead free,[6] bgs., c.l., divd.	lb.	.07½ -	—
l.c.l., divd.	lb.	.07½ -	—
leaded, 5%, bgs., c.l., divd.	lb.	.07½ -	—
l.c.l., divd.	lb.	.07¾ -	—
35% or more, bgs., c.l., divd.	lb.	.07 -	—
l.c.l., divd.	lb.	.07¼ -	—
French process, com'l, lead free,[6] bgs., c.l., divd.	lb.	.07½ -	—
l.c.l., divd.	lb.	.07½ -	—
green seal, bgs., c.l., divd.	lb.	.60 -	—
l.c.l., divd.	lb.	.00¼ -	—
red seal, bgs., c.l., divd., dms.	lb.	.08½ -	—
white seal, bgs., c.l., divd.	lb.	.09½ -	—
l.c.l., divd.	lb.	.09¾ -	—
USP,[6] 50-lb. ctns., c.l.	lb.	.10½ -	—
l.c.l.	lb.	.10¾ -	—
Zinc oxide in bbls., ¼c. higher; Pac. cst., c.l., divd., and l.c.l., ex whse., ½c. higher.			
Resinate, 8.7% Zn, 100-lb. dms.	lb.	.14½ -	—
fused, pale, bbls.	lb.	.11 -	.12
precipitated, dms., divd.	lb.	.15 -	—
Silicofluoride, bbls.	lb.	.15 -	.19
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 -	—
ton lots, frt. equald.	lb.	.30 -	—
ctns., smaller lots, frt. equald.	lb.	.31 -	—
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l. 100 lbs.		3.60 -	—
l.c.l. 100 lbs.		4.35 -	—
flake, bgs., c.l. 100 lbs.		4.10 -	—
l.c.l. 100 lbs.		4.85 -	—
powd., bgs., c.l. 100 lbs.		5.20 -	—
l.c.l. 100 lbs.		6.55 -	—
Zinc sulphate in bbls., 25c. higher.			
Sulphide,[1,3] pure, bgs., c.l., divd.	lb.	.06¼ -	—
l.c.l., divd.	lb.	.06¾ -	—
Zinc sulphide, pure, bbls., c.l., divd.	lb.	.03½ -	—
l.c.l., divd.	lb.	.03¾ -	—
barium pigment, bgs., c.l., divd.	lb.	.0360 -	—
l.c.l., divd.	lb.	.0585 -	—
calcium pigment, bgs., c.l., divd.	lb.	.0340 -	—
l.c.l., divd.	lb.	.0585 -	—
fluorescent, pigment, works, frt. alld.	lb.	.90 -	1.00
magnesium pigment, bgs., c.l., divd.	lb.	.05¾ -	—
l.c.l., divd.	lb.	.06 -	—
Zinc sulphide on Pac. cst. ¼c. higher for pure, ½c. for others.			
Sulphocarbolate, NF, bbls., dms.	lb.	.26 -	.31
Tallate, 5% Zn, 50-gal. dms.	lb.	.09¾ -	—
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., c.l., works, 100 lbs.		5.65 -	—
l.c.l., works, 100 lbs.		6.70 -	—
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.00 -	2.25
Zinc-iron oxide pigment, bgs., c.l., divd.	lb.	.06 -	—
l.c.l., divd. E. of Rockies.	lb.	.06¼ -	—
divd., Pac. cst.	lb.	.06½ -	—
ex whse., Pac. cst.	lb.	.07 -	—
Zirconium hydride, cns., works.	lb.	7.00 -	8.00
Nitrate, kgs., works	lb.	3.00 -	4.00
Oxide, crude, 70-75%, grd., bbls., works	ton.	75.00 -	100.00
white, 98%, grd., kgs., works.	lb.	1.50 -	2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for April 3.



formulators report excellent results with P-372 BECKOSOL in zinc chromate aircraft primer

For some time reports have been coming in on the performance of the RCI developed alkyd—P-372 Beckosol—as a basic in Zinc Chromate Primer for aircraft.

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Definite Plan Needed

The Pooh-Bah of the New Deal, whose large collection of offices starts with that of Secretary of the Interior and whose undeniable ability is continually getting tangled up in a welter of underdone ideas, is out with a colossal plan for settling the bothersome matter of disposing of government-owned manufacturing plants when the need for their contributions to the war effort shall have been ended. He would turn these plants over to the returning members of the armed forces to own and to operate: for God, for country, and for—what have you!

Mr. Ickes has worked out a fairly detailed blueprint of his latest big idea. In the language of the street: "He's got something there!" What he has cannot, must not be dismissed as impossible. Any good exhorter—and the "Curmudgeon" is no small potatoes in that role—can sell the idea to the troops in foxhole and forecastle. It isn't so preposterous in these times as the soldier bonus of the preceding war was at its inception. It is far from impracticable: there are men from all walks in life—management, labor, promotion, and all—in the armed forces. All they need is a modicum of "taffy" to bind them together and a shot of "you-done-it-boys-the-gravy-is-yours!" to set them off.

The foregoing affirmations relate to the putting over of the idea. Making it work would be something else again yet. But, in the trying, many things — including men and enterprises—would be busted; and nobody except the most foolhardy would venture to say which side would suffer the worse.

The American Federation of Labor also is out with a detailed set of principles, policies, and plans for the postwar world. It is a "honey," filled with common-sense, sometimes bent in the wrong direction. It is a definitely stated plan; and that is what is needed. Somebody is going to provide the plan, and it is an odds-on chance that the plan will be directed to the credo which is stated thus in the A.F.L. recommendations:—

> The American Federation of Labor refuses to tolerate the defeatism which holds that, under a democratic regime of freedom, it is not possible to make this abundance actually available to our people.

In the annual report of the General Motors Corporation for 1943 is this pertinent sentence:—

> Naturally, business must assume leadership for defining policy, not solely in its own interests but with recognition also of the prime importance of coordinating its interests with those of the community.

The first word in that statement was wisely chosen. It is not too soon for business to take up its natural role in connection with the general interest in what is to follow the war.

—O-P-D—

Why Government Comes In

There is a deal of snobbery, affectation, and other undesirable traits about that common commentary of comparison:—"They order such things better abroad." There is also a goodly measure of unpleasant truth.

One thing of which it is particularly true is the relation between business and government—and this does not apply alone to the countries in which dictatorial government runs all business, along with everything else; it is markedly true in democratic Britain.

Whether the difference in this matter between British conditions and those in the United States is influenced more by government or by business is an open question. It can be argued *ad infinitum* on both sides—and the truth is still the more likely to remain undiscovered, at least unadmitted. But, in the final, impartial analysis, it usually is found that business is not an exception to that ancient epigram that a people always has the sort of government which it deserves. Aside from the fundamental inability of the American idea to comprise a coordinate relationship of business and government, the chief reason for the constant endeavor of government to subordinate and supersede business is that business permits opportunities for such programs to exist.

A few days ago the President of the United States signed a bill which had come up to him from Congress and which appropriated $30,000,000 for experimentation designed to demonstrate the already proved feasibility of producing liquid fuels from coal, oilshale, and vegetable materials. A few months ago it was announced in Great Britain that the colliery owners of that country, through the providing of an additional £500,000, had brought up to £1,000,000 their fund for a five-year research in coal, relating to the development of processes for producing hydrocarbons and hydrocarbon derivatives from coal and to the treatment of coal generally as a chemical raw material.

Comment of comparison is unnecessary. But, it may be advisable to reiterate that, when government is permitted to spend taxpayers' money on a business project, it must be expected that the taxpayers can easily be convinced that government should carry on what the project develops, at least to the extent of supervisory management.

—O-P-D—

Endless Report-Making

A nice little business in a small suburban city about at the perimeter of the New York metropolitan area closed its doors a few days ago. It had handled the smaller items of household goods—quality wares at reasonable prices. It had troubles with supplies; but, as it told its customers:—

> Chief of our worries have been the ever-increasing demands of countless government bureaus for reports, lists, tax returns, figures, and questionnaires, which, in a small concern, eat up a tremendous amount of time that should be devoted to the operation of the business.

Something has been done to reduce the paperwork demanded of business by the rules of the war agencies. More is being done to ease this largely unnecessary burden. Much more remains to be done—and, in all decency, there is no good reason why it is permitted to remain undone. There is no reason whatsoever why one report, periodically revised, should not suffice for the information of all parties concerned with the demand for data. There is no good reason why a reporting business should be required even to furnish carbon copies of its report. Any casual visit to any war agency office at any time will show that, of the 265,500 employees in such offices in Washington (United States Department of Labor report as of October, 1943, issued April 16, 1944) much of the clerical staff has nothing to do a very large part of the time. Why this paid personnel is not put to the doing of work which business is asked to do, and pay for, is one of those questions, the correct answer to which would be worth many times $64, worth even as much as the cost of the paper wastefully consumed in such processes.

There is nothing impossible about the task of reducing government-required reports to much simpler forms and much smaller numbers. It cannot be expected that these desirable reforms will be made merely because they are not difficult. Administrative offices do not function that way—and, if the age-worsened income tax return is a criterion, relief cannot be expected by way of Congress. The matter really calls for an executive order by the President.

—O-P-D—

Incomplete Legislation

Legislative bills should be edited by a primary-school teacher and a compiler of encyclopedias before they are enacted. They should be passed upon by a constitutional lawyer and an expert in statutory correlation also before they are voted onto the books. To bother the court's with questions of validity and meaning is to divert the mills of justice to the grinding of grammar, rather than guilt.

Simplified, specific, coordinated, and correlated legislation would ease the life of everybody—it might ease out many legal advocates and counselors. In large part the easing would result from the impossibility for administrative offices to find an excuse for legislating by regulation.

Regulations which take the place of legislation are not, as most critics declare, wholly the consequence of a trend toward government by bureau. They are necessary because the statute which they are designed to complement and to implement was improperly constructed. The bureaus are blamed when the fault lies with the legislature.

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RESEARCH

EVEN Pollyanna might have difficulty in finding a ray of sunshine in the situation in which many manufacturers have been placed because of present shortages of many materials. Nevertheless the resulting frenzied search for substitutes has often uncovered a hitherto overlooked product which has proven satisfactory or even superior to that formerly used.

Unfortunately, however, it has quite often been found that a new discovery is available in only limited amounts since the producer had not previously received sufficient encouragement to warrant installation of the equipment necessary for large-scale production. Even in such cases the research has not been in vain since with the return of normal conditions the producer will be able to supply the product in adequate amounts, the value of it having been established, and the user will have been awakened to the necessity of investigating all materials which he might use.

There is often a temptation to consider a particular product of manufacture as being entirely satisfactory as regards both quality and cost and to curtail research involving it. Because of present shortages of raw materials and equipment there is also a temptation to curtail research involving new products or new uses for present products.

Chas. Pfizer & Co., Inc. does not subscribe to such views. We believe that when the job now in hand is successfully completed our nation will find itself with a productive capacity greatly in excess of any that it has previously enjoyed and that now is the time to prepare to utilize this. We are increasing our research program, primarily of course in order to help do our share toward finishing this present job as quickly as possible, but also secondarily that new products and new uses for old products may be available for any surplus productive capacity to come. Chas. Pfizer & Co., Inc., 81 Maiden Lane, New York 7, or 444 W. Grand Avenue, Chicago, Ill.

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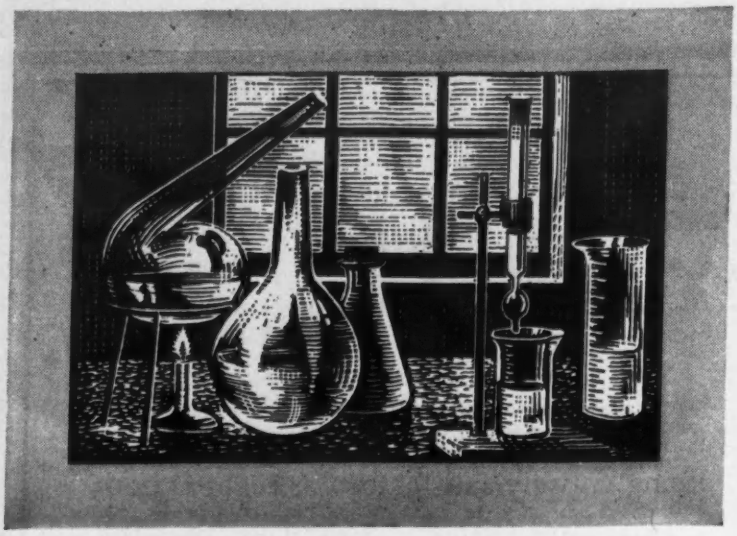

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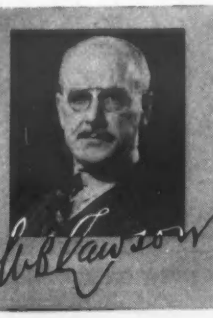

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Heavy Chemicals

While manpower shortage is having a restricting influence on production, the effect has been neutralized to some extent by a similar falling off in consumer capacity. Heavy shipments against existing contracts were responsible for most of the week's chemical movement. In many instances, output is so heavily sold ahead that producers are not in a position to accept additional orders.

Improvement recently noted in the supply conditions of several of the acids was again apparent. Demand for formic acid has increased on account of textile mills getting back to vat dyes. Oxalic and sulphuric acids both remained tight. There was no relaxation in the government demand for the former. No loosening of supplies in either soda ash or soda caustic could be noted. A better movement took place in soda formate under a renewal of buying from the leather industry. A greater demand also developed for soda oxalate for the manufacture of flares.

Short supplies of barium chloride have prompted the War Production Board to place producers' deliveries for May under a directive. This chemical is widely used in chemical and industrial processing. Practically all orders of late have been moving on AA-1 ratings. Chlorine restrictions and regulations have been clarified by WPB in reference to its use in manufacturing pulp, paper and paperboard.

Paper production as a percentage of six-day capacity was 85.0 in the week ended April 15, according to the American Paper & Pulp Association. This compares with 88.2 in the previous week and 89.3 percent a year ago.

Acetic Anhydride.—Allocations for rayon yarn were cut from 22,781,033 pounds in March down to 18,102,373 pounds for April. Staple fibre was granted 9,054,660 pounds this month against 5,195,751 pounds in March. Plastics and film received 4,307,000 pounds this month.

Alumina Sulphate.—Short stocks of iron-free held this grade firm but there appeared to be enough commercial to meet essential requirements. Office of Industry Advisory Committees, WPB, announced the formation of the Aluminum Sulphate Manufacturers Industry Advisory Committee.

Barium Chloride.—Available material was in very short supply with practically all orders moving on AA-1 ratings to the exclusion of color, leather and other civilian uses, which carry lower ratings. Demand has been rising under pressure of increased indirect military requirements. The formation of the Barium Chloride Producers' Industry Advisory Committee was announced by WPB. Pending a decision, to be reached this week by WPB, producers' deliveries for May will be scheduled by directive, the Chemicals Bureau has announced.

Calcium Chloride.—Summer deliveries are expected to begin earlier this year. While the latter part of May has usually ushered in the demand for road dusting, it is believed that the manpower shortage will inspire federal and state municipalities to purchase early in order to be assured of sufficient requirements. Passing of the quiet season has found the supply situation decidedly improved, the mild winter having proved favorable for the manufacture and piling up of reserve stocks. Some interests were inclined to look for a longer season this year and a more even distribution of material as it was believed that manpower shortage would probably institute a stagger system on road work. At any rate, sellers do not anticipate any jam session such as occurred last year. In fact there is not enough labor in sight to create such a situation.

Chlorine.—To clarify WPB regulations and restrictions as to the use of chlorine in manufacturing pulp, paper and paperboard, an interpretation of limitation order L-11 was issued by WPB paper division April 18. The interpretation points out that brightness may be determined for any individual batch of pulp, where a batch system is used, or the average of any eight-hour period, where a continuous system is used. There is no restriction against using any type of bleached pulp in gumming or waxing grades of paper or paperboard. The requirement that pulp bleached with chlorine may not be used in producing kraft gummings, tape, and waxings is interpreted as referring only to unbleached grades of paper as distinguished from book, sulphite or bleached kraft grades.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
169.6	169.6	169.6	170.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Copper.—Department of Commerce reports production of copper in Northern Rhodesia, British Africa, is to be curtailed 20 to 25 percent below the 1943 output because of the improved condition of copper supplies available to the United Nations. The output will be curtailed in stages over a period of three months to prevent economic disruptions.

Soda Caustic.—No relaxation in demand could be noted and the buying situation remained definitely tight. The call from the rayon industry and the soap factories was reported unusually heavy. Enquiry for export showed a tendency to expand with South American countries, Mexico and the West Indies all interested. In general, demand has kept somewhat beyond the production limit.

Soda Chlorate. — Foreign advices state that a plant is contemplated in South Africa for making soda chlorate for match production. The manufacture of military explosives is now limited to those needed for the Union Defense Force. Venezuela reports that further steps have been taken toward the establishment of match factory by the Swedish match trust. According to a report from Japan, an association for Japanese potash production has been established by the Chemical Control Organization. The purpose is to secure an increased output of potash by removing difficulties hindering greater production. Membership includes representatives of the Potash Control Organization, the army, potash manufacturers and agriculturists.

Acids

Formic.—Buying interest has shown steady expansion since the beginning of the month. The largest demand came from the textile mills where operations have shifted back to the use of vat dyes instead of military drab colors. The supply situation has been able to meet demand.

Oxalic.—War industries have continued to take this acid in sufficient quantities to keep the civilian supply at a definitely low level. Considerable tonnage was reported under contract through May and it was said to be doubtful if producers could handle much more business where prompt delivery was specified.

Sulphuric.—Local buying conditions revealed no material easement. Fertilizer interests have taken full contract deliveries and demand has been broad enough to absorb production readily. Aside from this the call for use in the manufacture of high octane gasoline has remained heavy. Chemicals Bureau of WPB is looking for an operator for an ordnance plant in the Northwest. Those interested have until April 29 to file proposals with the Chemicals Bureau. The program calls for the operation of the acid facilities and construction of a superphosphate plant to use the capacity of the sulphuric acid plant.

Insecticides

Efforts are being made in French Morocco to interest farmers in the planting of pyrethrum but some dif-

For current prices see alphabetical listing beginning on page 9.

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ficulty may be encountered in procuring seed from abroad, according to the Department of Commerce. It has been suggested in Morocco that about 2,500 acres should be planted. From statistics in Kenya and other areas, production would show about 500 tons annually or about 400 pounds per.acre

According to advices from Sweden, zinc arsenate has been employed as an insecticide to replace lead arsenate and is claimed to be more effective as well as less toxic to animals. The use of zinc arsenate may provide a method of applying arsenic as a weed exterminator without injury to crops. It is also expected that this material may prove useful as an insecticide for forestry purposes.

Landis on Postwar

—Continued from page 3

existed. Practically all board decisions are now made after consulting the tax expert, something that was unheard of in the periods when America was developing at highest velocity—factors which should have little or no place in industrial development.

Factory management cannot now establish the most efficient production without consulting with the shop steward who has no knowledge whatsoever of the problems of production. Quotas and sales prices are no longer decided by the competent executive, but by an organization with no experience and no knowledge of business problems. These are just a few of the examples of conversion, and yet we know that these are fundamentals in the development and rebuilding of industry, and the employment of people.

We must not be misled by the enormous figures of postwar demand that have been presented by numerous statistical organizations. Human psychology always forces an optimistic answer to a question so framed as to ask if the individual would not like to have some better article, whatever it is. But the questioner rarely goes so far as to inquire under what conditions such acquisition would really be made.

The real planner finds himself in a quandary. He knows that all desire to buy newer and better things, but he also knows that, if a man faces a doubtful period of activity and may be out of a job temporarily, such purchases will not be made.

We find ourselves studying wheels within wheels and trying to discover what the actual end motion will be. If this were a pure problem in mechanics, the engineer would give us an answer, but it involves social problems of most sweeping character, and the equation of emotion has never been solved.

M.E. Clark Returns To Michigan Alkali

M E. Clark, former manager of market research of Michigan Alkali Company, has returned to Wyandotte Chemicals Corporation as assistant director of technical service and manager of market research. Mr. Clark was granted a leave of absence in July, 1941 at the request of the Office of Price Administration to accept special duties in Washington, D. C., where he later became chief of the program section of the War Production Board.

M. E. Clark

Chemical Interests Vested by APC

Interests in chemical patents and agreements thereunder, vested by the Alien Property Custodian by orders published in *Federal Register* for April 5 and 8, include those of Chauney & Cirey, Chemische Fabrik Siegfried Kroch, I. H. Epstein A. G., Heinrich Frings, I. G. Farbenindustrie, H. Maihak A. G., Karl Meynen, Heinrich Neuhass, Societe Anonyme de Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Societe Nobel Francais. The patents involved have to do with aminocarboxylic acids and their salts (2,004,523); analyzing gaseous content of liquids (1,919,861); artificial fibers (2,035,939); glass (1,633,534); metallurgical apparatus (1,876,732); also undescribed patents 1,860,381 and 1,988,905.

Lime Sales Up

Sales of lime in 1943 amounted to 6,394,000 short tons, 5 percent over the 1942 sales, according to the Bureau of Mines. Lime sold or used by producers in the United States in 1942 and 1943 by types and major uses follow:—

	Short tons	
	1943 (preliminary)	1942
By types—		
Quicklime	5,055,000	4,810,452
Hydrated lime	1,339,000	1,293,339
Total lime	6,394,000	6,103,791
By uses—		
Agricultural—		
Quicklime	195,000	184,678
Hydrated lime	293,000	215,953
Total	488,000	400,631
Building—		
Quicklime	140,000	175,643
Hydrated lime	439,000	522,034
Total	579,000	697,677
Chemical and industrial—		
Quicklime	3,468,000	3,220,774
Hydrated lime	607,000	555,352
Total	4,075,000	3,776,126
Refractory (dead-burned dolomite)	1,252,000	1,229,357

Gov't Surplus Property

—Continued from page 3

provident sales, he said, and at the same time it would not permit an administrator to refuse to sell to a private business man because the administrator thinks that the activities of that businessman would result in price competition.

The Attorney General also expressed the hope that the Smaller War Plants Corporation be given special responsibility to protect the interest of small and independent businesses in surplus property sales, said that he was in accord with provisions requiring the administrator to consult with the Attorney General before sales are made of any property which cost the government more than $5,000,000.

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Hooker Co. Names Coey To Sales Development Staff

John S. Coey has been appointed to the sales development department of the Hooker Electrochemical Company, New York. For the past seven years Mr. Coey has been in the manufacturing department of the company at its Niagara Falls plant, where he was in charge of the process study group engaged in the improvement of process, operating efficiencies, and quality of products.

John S. Coey

Penna Salt Adds To Research Staff

The Pennsylvania Salt Manufacturing Company has added to its research and development department staff:—Dr. R. D. Evans, formerly with New Jersey Zinc Company; E. A. Bruce, of Blaw-Knox Company; F. W. Jakob, recently discharged from the army as first lieutenant and graduate of Pennsylvania Military College; J. L. Staubly, of National Association of Dyers and Cleaners; J. M. Swales, of U. S. Navy inspection department; J. J. McBride, of Franklin Research Company; Miss Katherine Dilworth, of Delaware County Hospital; and Miss Gertrude Schutze, of the National Broadcasting Corporation. New staff members also include Miss Margaretta E. Aeugle, of Duke University, and Miss Gladys Molyneux, of Cornell University.

Thomas Toovey has been transferred from sales service to the research and development department, where he will have supervision of research and development work related to new and improved pulp and paper chemicals.

National Metal Trades Ass'n Annual Meeting Cancelled

National Metal Trades Association has postponed its annual convention scheduled to meet in New York May 16 to 19.

Kent Joins Phelps-Dodge

Moss A. Kent has resigned as director and vice-president in charge of manufacturing for the General Cable Corporation, to join Phelps Dodge Copper Products Corporation in an executive capacity.

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Fertilizer Materials

Although consumption of fertilizer this year is expected to be around 12,000,000 tons, the present movement of mixed goods from factories to farms has been interrupted by weather conditions and labor shortages. Advices from the South state that late business is not going to materialize to the extent anticipated. The labor situation around Baltimore is said to be inadequate to take care of deliveries and fear is expressed that an ultimate crop shortage may result. If many farmers in the South had not heeded the government's urge to buy their fertilizer supplies early, the situation would be definitely serious. Late shipments are still expected to involve considerable tonnage if weather conditions permit. Crops have been planted as late as May with fairly good results.

WPB estimates that nitrogen supplies available for fertilizer will be 40 percent larger than the amount consumed a year ago. Much more nitrogen will be used in mixed fertilizer than in 1943 and there will be more nitrogen for side and top dressings. Indications are there will be more soda nitrate for direct application. In some areas there will be cal-nitro, cyanamid and urea, and in all areas, plenty of ammonia nitrate. In order to facilitate manufacturing operations, ammonia sulphate is being allocated for use in mixed fertilizers only, except in the West coast area. Los Angeles reports small additional allocations of both ammonia phosphate and ammonia sulphate.

While the opening of the menhaden fishing season is a month away, buying interest has shown expansion. Sales of scrap to the extent of 1,000 tons were reported last week on a when and if basis. Increased production of superphosphate has been restricted in some sections through insufficient labor. The outlook, however, is considered favorable and several new plants are expected to be in operation within the next few months.

Nitrogenates

Ammonia Sulphate.—Allocated shipments have absorbed production and restricted any serious accumulation of material. Supply situation permitted full prompt deliveries, while demand was broad enough to hold market steady.

Bone Meal.—Limited available supplies held market in tight position. Occasional car lots of domestic reached the market and were readily taken by feeders. Foreign sellers not eager to consider prices named by local importers.

Castor Pomace.—Contract deliveries have taken care of production, and no material easement in the supply situation could be noted. Sellers were not inclined to consider additional orders this side of June.

Fish Meal.—Demand continued active, with business restricted through lack of available material. Some sales reported in the South at ceiling figures on a when-and-if basis. Active preparations for new fishing season reported at Baltimore. War Food Administration bought 360.000 pounds during the month of February.

Soda Nitrate. — Shipments were as large as WPB regulations would allow. All essential requests were granted for April. Favorable supply conditions permitted full deliveries promptly.

Tankage.—Odd lots of domestic reached the market from time to time, although the market maintained a tight position. The outlook for any substantial inflow of foreign material did not appear so promising. Reports indicated that stocks could not be purchased in the South American market at prices recently agreed upon by importers at a meeting here. This applied to dried blood as well as tankage.

Phosphates

Phosphate Rock.—Acidulators continued to call for full contract deliveries of rock. Florida supply situation reported favorable to meet demand, with enough material above ground to permit prompt shipments from mines.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Superphosphate. — Season's requirements reported well covered. Manpower shortage has caused temporary delays in moving material promptly to some points. Production expected to be maintained over the next two months to build up reserve, although producers are experiencing difficulty in securing enough labor to assure full output. Current demand is shifting to areas further North. No easement in the supply situation could be noted in triple, although improvement is anticipated as the year progresses.

Potashes

Material moved out freely under WPB regulations, while production was well sustained around top levels. Transportation and labor conditions have not proved serious bottlenecks to date. There was no indication of any relaxation in demand, while requirements for farm products, for military, lend-lease and foreign relief are expected to be larger in the next few months. Existing stockpiles have been partly earmarked for such needs, but are not large enough to fill requirements. The necessity for the maintenance of heavy production is therefore apparent.

Sulphur and Pyrites

Demand remained active for sulphur, with mine shipments maintaining a heavy seasonal tonnage. The supply condition revealed ample stocks to meet inquiry. No unusual transportation difficulties have been experienced. Spanish pyrites was nominally unchanged, the uncertainty of shipments from supply sources having a restraining influence on trading.

Markets at Other Centers

Atlanta, April 21.—Some fear is now felt in fertilizer circles that late business is not going to materialize to the extent anticipated. Weather has interfered. Farmers anticipated needs have been reduced by their inability to prepare their land in time to plant as much cotton, tobacco and other heavy fertilizer consuming crops as they intended. Late shipments are still expected to reach a considerable volume if rains will let up. Crops have been planted in the upper South as late as May with fair to good results.

Baltimore, April 21.—Market problem for crude fertilizer materials is how to obtain working forces large enough to take care of prevailing demand and make deliveries in time to be used. Sales of 1,000 tons of fish scrap are on the books of fishing companies located on Chesapeake Bay. Orders were accepted on a when and if basis. Complaints continue to be heard regarding labor shortage in the superphosphate factories. The shortage in tankage has continued pronounced. No importations of bone meal were recorded and the domestic supply has remained definitely short. Price ceilings remained unchanged.

Chicago, April 21. — With supplies of livestock running little changed, organic nitrogenous materials are coming into the picture at a rate fairly well comparing with that recently noted. Meanwhile, demand for principal materials is steady to larger. Offerings show no special ability to weaken the general market situation. Blood is quiet. Bone materials show little change, while tankage is holding firm. Dried Blood.—Principal grade, $5.53 per unit of ammonia. Tankage. — Feeding grade, unground, $5.53 per unit; liquid stick, tankcar, $1.75 to $2; hoof meal, $4.25 to $4.50.

Los Angeles, April 21.—The fertilizer materials market has shown no particular change in the past several weeks. Small allocations have been received here of 11/48 ammonia phosphate from the WPB and also some sulphate of ammonia, in small quantities. Mixers and users are still very much concerned over the lack of organics. Fish meal prices were nominal at the established ceilings with no trading possible because of the depleted market supplies. Ruling prices are:—Ammonia Phosphate.—$48 per ton for 16/20 grade and $57 for 11/48 delivered California points.

For current prices see alphabetical listing beginning on page 9.

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Industry activity continues at high pitch...which means industry's Potash requirements continue to be large.

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Yes, P.C.A., with the Red Indian trade-mark, is supplying large tonnage today. Keep your eye on our Red Indian — now and in the post war days to come.

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PHENOLS

CRESOLS

CRESYLIC ACIDS

CHLORINATED TAR ACIDS

BARRETAN*

PICKLING INHIBITORS

BENZOL

TOLUOL

XYLOL

SOLVENT NAPHTHA

HI-FLASH SOLVENT

NAPHTHALENE

PHTHALIC ANHYDRIDE

DIBUTYL PHTHALATE

PYRIDINES

TAR ACID OILS

CREOSOTE OIL

CUMAR*
(Paracoumarone-Indene Resin)

RUBBER COMPOUNDING MATERIALS

BARDOL*

HYDROGENATED COAL-TAR CHEMICALS

FLOTATION AGENTS

ANHYDROUS AMMONIA

AMMONIA LIQUOR

SULPHATE OF AMMONIA

AMMONIUM NITRATE

ARCADIAN* THE AMERICAN NITRATE OF SODA

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ALLIED CHEMICAL & DYE CORPORATION
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THE BARRETT COMPANY, LTD., 5551 St. Hubert St., Montreal, Que.

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Barrett

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Coaltar Chemicals

War production requirements continue to sustain a firm tone in the markets for cokeoven by-products and the coaltar derivatives. Late in the week the War Production Board announced that coaltar would be allocated under order M-300, effective May 1.

The United Kingdom coaltar products market had an active year in 1943, it is reported from abroad. Pressure was stated to have been heavy from importers in the United States and Commonwealth countries, but demand from essential domestic users was so strong that the call for exports could not be met in spite of larger output. Both the trade and the Tar Products Control endeavored to increase export allocations, and in this connection efforts of the cooperative organization, "Pamtas," which handles the export of tar acids to the United States had been found particularly helpful. Prices remained stable during the year, and utilization, sales and price control in tar products is now practically complete, it was added.

In the week beginning April 17 steel industry operations were set at 99.5 percent of production, equivalent to an output of 1,782,300 net tons of ingots and castings, according to the American Iron and Steel Institute. Production in the previous week was at 98.7 percent of capacity. One month earlier, operations were at 99.2 percent, equivalent to 1,777,000 net tons; and a year ago at 99.1 percent, equivalent to an output of 1,716,100 net tons of ingots and castings.

Basic Products

Benzol. — April War Production Board allocations reflect continued tight supply position. In the most recent allocations, various end uses were granted a total of 4,775,413 gallons of material. In comparison the previous allocation, for March, granted a total of 4,806,722 gallons. Phenol production again was granted the largest quantity, with 2,110,000 gallons. In March 2,228,000 gallons were allowed for such use.

Coaltar.—The WPB April 20 announced that after May 1 coaltar will be allocated under order M-300 on a monthly basis. Orders for less than five gallons a month per person were given "small order" exemption.

Creosote Oil.—Remains available in ample quantity. Demand from wood preservers has shown no improvement, such operations still being curtailed by manpower lack, both in lumber collecting areas and in preserving plants. Prices unchanged.

Naphthalene.—A total of 2,271,000 pounds of naphthalene was granted in the April allocations by WPB, for dye intermediates other than phthalic anhydride and betanaphthol. In the March allocations, 1,991,000 pounds were granted. Mothproofing in April received material to the extent of 57 percent, and in the previous month 45 percent. Manufacture of chemical compounds benefited most in the specific allocations, receiving 1,464,000 pounds, as compared with 1,007,000 pounds in March. Use in agricultural insecticides was reduced from 155,000 pounds in March, to 70,000 in the April allocations.

Phenol.—Supplies of natural material moving into consumption as produced. Stocks of synthetic material holding more than comfortable size, although certain trade quarters express possibility that such stocks will show a decrease as munitions manufacture becomes more active. Schedule of quotations continue steady.

Picoline.—Manufacture of nicotinic acid and nicotinamide consuming major portion of betapicoline output, keeping supplies in very tight position. Market tone firm.

Quinoline.—Short supply situation expected to be relieved somewhat in near future by new production. Active manufacture of vitamin and medicinal compounds holding supplies tight at present. Prices unchanged.

Shingle Stain Oil.—Supplies somewhat tight as light oil fractions continue to move actively into essential manufacture. Quotations show no change.

Tar Acid Oil. — Supply condition similar to that existing in shingle stain oil. Synthetic rubber compounding requirements of neutral oils are keeping light oil products in rather short supply.

Toluol.—Firm market tone being maintained by heavy movement into manufacture of munitions and high-octane aviation gasolines.

Xylol.—Heavy demand for war production unabated. Civilian supplies available with difficulty only on most essential end uses. Quotations holding firm tone.

Chicago, Apr. 21.—The coaltar bases market is holding firm, with orders still tending to absorb virtually all the material being made available. Ruling prices exclusive of tax are:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexanol.—Steady market tone being maintained by active movement to regular consumers.

Cyclohexanone.—Major portion of output continues to move into essential manufacture. Quotations show no change.

Methylcyclohexanol.—Good demand from normal users holding price schedule steady.

Coaltar Acids

Anthranilic.—Supplies remain rather tight on sustained call for war production. Quotations firm.

Benzoic, Technical.—Heavy demand keeping material in a tight supply position. Price structure continues firm.

Cleve's.—Call from representative consumers holding market tone steady.

Fumaric.—Supplies very tight. Demand has increased considerably since start of war and continues to exceed rate of production. Quotations firm.

Laurent's. — Stable market maintained by satisfactory movement to regular consuming channels.

Malic.—Shortage of raw material limiting output. Demand good. Quotations unchanged.

Picric.—War production demand actively maintained, with possibility expressed that it will become somewhat heavier in near future. Prices firm.

Other Intermediates

Alphanaphthylamine. — Production restricted by shortage of raw material. Schedule of prices unchanged.

Anilin.—WPB indicated that in April a total of 8,905,000 pounds of anilin oil was allocated under order M-184. Inks and toners were allowed to the extent of about 65 percent of requests in April, compared with 90 percent in March; and all other civilian dyes were allowed to the extent of 85 percent in April, compared with 90 percent in March. Other end uses were allowed in full, except when inventories were excessive. Anilin salt for fur dyeing, textile printing and miscellaneous uses was allowed to the extent of 80 percent in April, compared with 85 percent in March.

Anthracene.—Supplies remain tight as active demand for essential application continues unabated. Quotations unchanged.

Anthraquinone. — War production needs monopolizing output of material. Shortage reflected in spotty supply position of vat dyestuffs. Market firm.

Benzaldehyde, Technical. — Little material remains to enter civilian channels after military need is supplied. Quotations show no change.

Benzoyl Chloride.—Regular large volume users calling for supplies sat-

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

For current prices see alphabetical listing beginning on page 9.

Coke By-Product Output

Estimates of by-product coke-oven operations in the week ended April 15 indicate the following output of by-products from that source:—

Ammonia sulphate	lbs.	40,419,560
Benzol	gals.	3,965,210
Coaltar	gals.	15,477,110
Creosote oil	gals.	818,624
Naphthalene	lbs.	1,726,785
Phenol	lbs.	230,238
Toluol	gals.	793,042
Xylol	gals.	179,074

isfactorily. Price structure continues steady.

Bisphenol.—Developing consumption in resin field holding supplies tight. Market tone steady.

Dinitronaphthalene.—Active demand holding supplies rather tight, although certain trade quarters report slight increase in output in recent weeks. Market stable.

Diphenylamine.—Supplies have held their more comfortable aspect in recent weeks. April WPB allocations indicate a granting of 100 percent of requests for phenothiazin, dyes, soap antioxidants, plastics, and miscellaneous uses.

Nitrobenzene.—Production continues to expand gradually. April allocations by WPB reveal 164,855 gallons of benzol were granted for manufacture of nitrobenzene other than anilin and phenol, compared with 115,400 gallons in March, and 35,400 gallons in February.

Phthalic Anhydride.—Very tight supply position shows no change. Although production of material is currently reported as being expanded, call for phthalate derivatives for insect repellent use is expected to be maintained during near future, and increased amounts of derivatives are expected to move into munitions manufacture.

Coaltar Colors

Demand for textile dyestuffs continues heavy. Deliveries of certain colors are reported to be delayed, particularly in the case of vat dyes and others based on anthraquinone. Need of the latter material in essential products other than dyestuffs is said to be the cause of the spotty supply condition. Call for leather and paper colors remains relatively dull.

Washington Talks It Over

—Continued from page 5

to set aside 40 percent of their pack of fruits and vegetables this year for war use; last year the set-aside was 25 percent.

Bread Specifications

Federal Security Administrator McNutt has decided to hold up, possibly for the duration, action on plans for standardizing the ingredients of bread. McNutt decided that there is scant possibility that the standards, if issued now, could be enforced without hardship on the consumers.

The standards that had been proposed provided for limitations against excessive moisture, the exclusion of certain proposed ingredients regarded as unsuitable for use in breads, fixed quantities of certain minerals and vitamins in enriched bread, and regulation of the quantities and conditions of use of a large number of ingredients.

Methanol Statistics

The Department of Commerce is coming to aid of the harried chemical plant manager who wants a quick picture of the supply, production, price, etc., situation in the various chemical lines, to assist him in laying out his programs for the postwar period.

Officials of the department have decided to issue a series of brief reports on the most important of the chemical items and to make them available for the asking at the Publications Division of the Bureau of Foreign and Domestic Commerce. The first one is now ready. It covers methanol, both natural and synthetic, and shows production by years from 1920 through 1943 and stocks by months from 1941 through 1943. Imports and exports are also covered, except for 1942 and 1943, which have been blacked out by the security rules. Other features of the report show where to get information on prices, producers, and dealers, tariffs, and more complete economic references.

Other reports to come along quickly will provide similar thumbnail sketches of the situation in lactic acid, cresylic acid, cresols, benzol, alcohol, and phenol. Others may be added to the list later.

Fluorspar Shipments Up

Fluorspar shipped from mines in the United States in 1943 compared with 1942, according to the Bureau of Mines, by uses, totaled as follows:—

	Short tons	
	1943	1942
Steel	220,809	295,253
Iron foundry	3,398	3,408
Glass	19,487	20,860
Enamel	1,572	1,923
Hydrofluoric acid	123,690	68,085
Miscellaneous	19,956	11,763
Government stockpile	8,070	.....
Foreign consumption	9,044	9,016
Total	406,016	360,316

Explosives Production Total For 1943 Reported

A total of 477,650,985 pounds of explosives was manufactured and sold in 1943. Ninety-nine percent of the permissible explosives was used for the mining of coal. This was the only type of explosive whose production increased in 1943 over 1942, according to the Bureau of Mines.

Apex Chemical Offers Thrip Control Agent

The Apex Chemical Company, New York, with a factory in Elizabethport, N. J., is offering "Salp," an insecticide for the control of thrips on ornamental flowers, onions and potatoes. The product is a sodium antimony lactophenate, and claimed to be very effective for destroying thrips

Maas Starts Making Hypo

A. R. Maas Chemical Company, South Gate, Calif., has started commercial production of anhydrous sodium thiosulfate.

Industrial Sales Moves

Industrial Sales Corporation has moved from 295 Madison avenue, New York, to 500 Fifth avenue.

Buy Bonds Each Week
Through the Payroll Plan

Explosives Control Rules On Quantities Modified

OPD Washington Bureau

A revision of the regulations for control of explosives and their ingredients to make it unnecessary for most persons who use small quantities of the ingredients for other than manufacture of explosives, or to keep a record of the small quantities used, was announced April 19 by the Bureau of Mines.

The bureau also amended the definition of the term "explosive" to exclude flashlight powders, primers and small arms and shotgun shells and percussion caps from its meaning, and the definition of explosive "ingredients" to eliminate barium strontium.

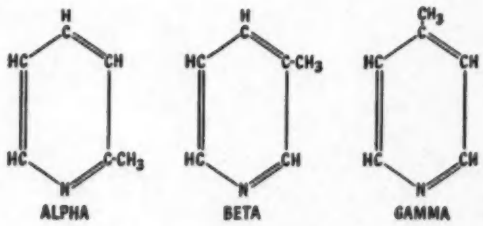
The change made in the definition of small orders applies to chlorate, nitrate, perchlorate and phosphorus. The amounts of these materials that may be used without license is increased substantially by the amendment and made definite as to each separate class of users.

Under the amendment "small quantity" means the following:—

Type of Ingredient (of Each) and Classification of Person Acquiring Ingredient

	Meaning of "small quantity"
Chlorate—	
Industrial users	225 lbs.
Colleges, universities	50 lbs.
Wholesalers	25 lbs.
High schools, hospitals, industrial research laboratories	10 lbs.
Druggists	2 lbs.
Others	¼ lb.
Nitrate—	
Industrial users	200 lbs.
Colleges, universities, wholesalers	50 lbs.
High schools, druggists	10 lbs.
Others	5 lbs.
Perchlorate—	
Industrial users, industrial research laboratories	140 lbs.
Colleges, universities	70 lbs.
Wholesalers	10 lbs.
Druggists, high schools, hospitals	2 lbs.
Others	¼ lb.
Phosphorus—	
Industrial users	50 lbs.
Wholesalers, colleges, universities	10 lbs.
Industrial research laboratories, high schools, hospitals	2 lbs.
Others	¼ lb.

Picolines



Grades Available—alpha picoline distilling completely within 2°C, beta picoline 95% minimum purity, gamma picoline 95% minimum purity.

Properties: (Pure Compounds)

	alpha	*beta*	*gamma*
Molecular Weight	93	93	93
Melting Points	—69.9°C.	—18.3°C.	+3.8°C.
Boiling Points	128°C.	143.5°C.	143.1°C.
Specific Gravities at 15°/4°C.	0.950	0.961	0.957

State: Liquid

Solubility: *alpha*-picoline is very soluble and *beta* and *gamma*-picoline are completely soluble in water and form constant boiling mixtures with it. They are all completely miscible with alcohol and with ethyl ether.

Uses: The high water-solubility and the boiling points of picolines recommend them for many solvent uses in place of more expensive solvents, particularly where the use of a pure compound will reduce costs in comparison with wide boiling ranges of unknown compositions. Used in the synthesis of alkaloids, pharmaceuticals and other organic compounds. A starting material in the manufacture of rubber accelerators and anti-oxidants. Beta picoline is a starting material for the manufacture of nicotinic acid and nicotinic acid amide.

Koppers will also be glad to submit samples and prices on other tar bases, including 2° and denaturing pyridine, lutidines, quinoline and higher-boiling bases.—Koppers Company, Tar and Chemical Division, Pittsburgh, Pa.

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OPD—4-24-1944

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First Metasap offers Metallic Soaps made from finer raw materials — washed extra clean — and checked at every stage through Laboratory Control. Next Metasap offers the experience, facilities and *willingness-to-serve* of its outstanding Technical Service Department—and the result is almost invariably a better paint, varnish or lacquer.

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Protective Coatings Materials

Although delayed in some sections of the North by the persistence of cold weather until the last few days, outdoor and other maintenance painting operations in the Spring paintup campaign are now generally well under way with every indication of exceeding those of the two previous years. Stocks of protective coatings materials now in retail stores and in the hands of contracting painters appear adequate for all now-foreseen requirements of this Spring campaign.

But, in the making up and shipment of new batches of ready-for-immediate-application paints, varnishes and lacquers, and also in the processing and movement of materials, the industry is finding itself increasingly hampered by a steadily diminishing supply of containers, despite its strenuous endeavors to induce the War Production Board to recognize its great seasonal need for more cans by granting it a much larger quota of these containers for use in the packaging of all types of materials and finished products and notwithstanding its herculean efforts to obtain 100 percent cooperation of all the trade's exponents in salvaging all manner of containers for reemployment in these directions.

Through its paint, varnish and lacquer industry advisory committee, importers and processors of materials and finished paint products have urged WPB to amend the regulation governing production of cans, designated as M-81, so as to permit the industry to accept delivery and use of 40 percent, instead of the already ordered 25 percent, of its annual quota during the second quarter of this year. Such an increased percentage of its quota would be little enough, it is figured, inasmuch as the base period quota on which this would be reckoned is only 75 percent of 1940 consumption for this quarter.

Some gratification is being expressed, however, over WPB's granting of preference ratings of AA-2, on materials used in the making of enamels for cans, to the manufacturers of such enamels if the latter are to be used as coatings for containers in the packaging of products purchased by or for the account of the United States army, navy, maritime commission or the War Shipping Administration or for holding foods, drugs, pharmaceuticals and insecticides.

Meanwhile, however, the steel drum situation seems likely to continue distressingly tight for some time to come. WPB's requirements committee sought to obtain an allotment of 670,000 tons of steel for drums for the second quarter, but was allotted only 500,000 tons. And it is now generally believed that there will be no increase in the allotment for the third quarter. Simultaneously there is a further tightening of the fiber drum situation, due to lack of sufficient raw material and manpower.

Metallic Lead and Zinc

Because of the liberal supply of metallic lead from domestic and foreign sources available for all essential civilian as well as war production uses, no difficulties are being met with by oxidizers and other lead pigment makers in filling their needs. Prices for pig lead have remained unchanged for the week April 14-21 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Although there is still a plentiful supply of zinc ore, refining operations continue so limited, despite recent upward spurts, as to make it seem expedient for WPB to keep zinc slabs under allocation. Quotations for zinc slabs have continued unaltered for the week April 14-21 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Blue lead.—Continues in keen demand. Market stable.

Lead Titanate.—In unslackened request. Tone firm.

Market Trends

Prices Advanced

Rosin, gum, B, 5c. per 100 lbs.

Prices Reduced

Alphapinene, 2½c. per gal.
Casein, imported, delivered in U.S.A., ½c. per lb.
Rosin, gum, D to M, 2c. to 7c. per 100 lbs.
Turpentine, gum, 2½c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Litharge.—Moving freely with prices well maintained.

Lithopone.—Buying interest still brisk. Market strong.

Orange Mineral.—Business continues of a purely routine character in this material but the undertone keeps steady.

Red Lead.—Takings of the paint trade holding out well. No change in price structure.

Titanium Dioxide.—Although still decidedly tight, the supply situation in this important whitening agent is expected to grow a little easier as the 10 percent of producers' monthly output, hitherto held in reserve, is released on and after May 1, making just that much more available for the paint industry. Moreover, the situation may be relieved still further if, as now expected, a sizable number of the makers of interior and other gloss paints decide to eliminate this material from their products, in view of their recently granted privilege of using 3 pounds, instead of 2.5 pounds, of linseed oil per gallon in their mixtures.

White Lead.—Buying movement continues active and sizable. Prices strongly held.

Zinc Oxide.—Demand continues to rise but immediately available supplies are still decidedly limited with lead-free grades continuing under allocation control and leaded grades being offered only sparingly.

Fillers and Extenders

Asbestos.—An increasingly brisk and expanding movement is noted in both Canadian and domestic types. Prices well maintained.

Barytes.—Demand continues fairly sizable, with the supply of waterground grades sufficient for current requirements, despite the unrelieved shortage of dryground grades. Market stable.

Chalk.—Moving in purely routine fashion. Tone steady.

China Clay.—Still in moderate call with a fair movement of both imported and domestic grades reported. Prices firmly held.

Diatomaceous Earth.—Fair inquiry and moderate supply continue to be noted. Market steady.

Gypsum.—The War Shipping Administration has issued rate order 253, prescribing rates and surcharges on gypsum in bulk from Bay of Fundy ports to North Atlantic ports of the United States. A sizable importation of gypsum rock has recently been recorded.

Mica.—Paint trade buying freely of dryground, waterground and finely pulverized grades of scrap mica. Prices well maintained.

Talc.—Continues in brisk request, with fibrous grades producers making moderately speedy deliveries. Tone firm throughout the list.

Dry and Chemical Colors

Alkali Blue.—Moving slowly but steadily into consuming channels. Tone steady.

Bone Blacks.—In fairly constant demand. Prices firmly held on none too plentiful offerings.

Carbon Blacks.—Plans for amplifying the output of furnace and both easy and medium processing blacks enormously—perhaps to an aggregate of 479,000,000 pounds by the latter part of this year—are now being made under the auspices of the WPB carbon black industry advisory committee, in an effort to meet the hugely expanding requirements of the manufacturers of synthetic rubber tires. Channel black production in March is figured in preliminary estimates as having reached a little more than 34,000,000 pounds while shipments amounted to

For current prices see alphabetical listing beginning on page 9

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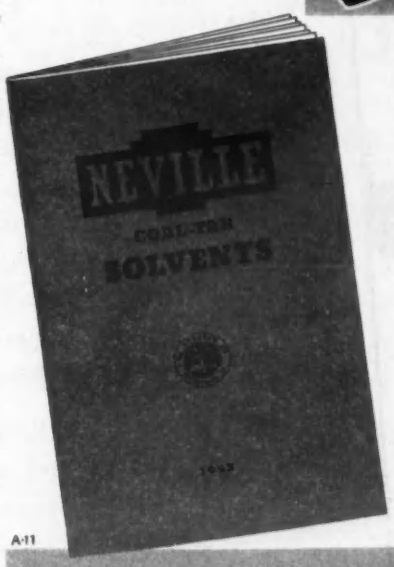

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about 50,000,000, so that inventories, as mentioned in the April 17 issue of OPD, were lowered to approximately 157,000 pounds.

Chrome Colors.—Due chiefly to lack of adequate production facilities and the 25 percent quota restrictions in the permissible use of most of these color pigments, paint makers are experiencing great difficulty in filling their requirements and fear the development of greater trouble on this score when, as expected, the output is curtailed during the Summer months. In some instances, however, small reserves have been built up and it is hoped that at some time later in the year new production facilities will become available.

Driers and Flatteners

Tallates and naphthenates are vieing with each other for distinction as the most popular driers with the paint industry showing its preferences for the lead and cobalt types, buying the naphthenates when able to make applications for allocations a month ahead and willing to wait for the necessary authorizations but in many instances amply satisfied with the unallocated tallates. Resinates and linoleates are likewise moving steadily into consuming channels.

Stearates continue most sought for among the flatteners and jellyfiers, with many producers sold ahead for two to three months. The demand seems most intense in the zinc, aluminum, calcium and cobalt types but there is also a well sustained call for lead, copper and magnesium kinds. Only a meager and sluggish movement is noted in laurates.

Lacquer Materials

Butyl Acetate.—Supplies are still somewhat tight, but much more comfortable than even one month ago. Demand continues very heavy. Announcement as to price during May of material produced in Illinois and Indiana by fermentation not yet available late in week.

Butyl Alcohol.—Market conditions similar to those existing for butyl acetate.

Triacetin. — One producer reports that his quotation, in drums, f.o.b. works, is now 32c. per pound.

Naval Stores

Conditions in this market were unsettled during the week. Heavier offerings of both rosin and gum turpentine resulted in an easy tone and price declines. Buying interest was limited, and trading was put through at the lower levels. Inclement weather has affected the demand for Spring requirements. Reports from producing centers state that new crop offerings were still light, due to wet conditions in the woods.

The War Production Board has placed dipentene and pine tar, embracing liquid pine and tar oil, under allocation by amending Order M 300. Allocations will be made monthly on the basis of suppliers' applications starting May 1. Small order exemptions have been set at five gallons per person per month. These products are in small supply as the result of the manpower shortage and heavy demand in excess of normal.

Turpentine.—Demand for turpentine locally was slow during the week, and the market reflected the weakness in primary centers. Little improvement in demand was expected to materialize until the weather becomes more settled. Export inquiry was fairly active, though business was quiet.

Following is a record of the turpentine market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday ..	76½	52	61	350	35,123
Tuesday ..	76½	...	64	301	34,895
Wednesday.	76¼	151	66	174	34,787
Thursday..	76¼	...	32	254	34,565
Friday	75½	1,550	23	85	34,503

Chicago, Apr. 21.—Call for turpentine is holding up well, and buyers still show considerable interest. Prices were:—Five-drum lots, 99c. per gallon; five wood barrels, 95c.; single drums, 93c.; single barrels, 98c.

Rosin.—Trading was light and spasmodic. Offerings were freer, with market easier, in sympathy with the weakness in the South. Export demand was also inactive.

Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$3.52	$3.52	$3.54	$3.54	$3.55
D	3.90	3.90	3.90	3.90	3.88
E	4.52	4.52	4.50	4.50	4.50
F	4.68	4.68	4.66	4.66	4.62
G	4.67	4.67	4.65	4.65	4.63
H	4.66	4.66	4.65	4.65	4.63
I	4.66	4.66	4.65	4.65	4.66
K	4.66	4.66	4.65	4.65	4.68
M	4.68	4.68	4.66	4.66	4.70
N	4.82	4.82	4.82	4.82	4.82
WG	6.25	6.25	6.25	6.25	6.25
WW	6.50	6.50	6.50	6.50	6.50
X	6.50	6.50	6.50	6.50	6.50
	Barrels				
Sales	87	...	439	...	156
Receipts ..	...	471	107	256	101
Shipments..	...	340	200	172	200
Stocks ...	13,720	13,851	13,758	13,842	13,743

Chicago, Apr. 21.—Reports of the coming of the new crop seem to be affecting values in the rosin market adversely and prices were slightly lower. Quotations for five-drum lots were:—B grade, $5.27 per 100 pounds; G grade, $6.42; M grade, $6.43; W. W. grade, $8.25.

Shellac

Further arrivals of shellac from the primary market amounted to 1,422 bags of undescribed qualities; 20 bags of buttonlac, and 210 bags of seedlac. Practically every bag of the latest arrival had been earmarked for consumption substantially before reaching this country. Although there are very fair quantities of very high grade orange shellacs on this market, the supply of the grades subject to the heaviest consumption drain were still on the short side, although there is some reason to hope that a betterment in the supply situation may be achieved. It was noted that zein, a substitute for shellac for some purposes, was removed from allocation control under government orders issued last week.

Synthetic Resins

Ester Gum.—A notably increasing movement is reported for this vitally important material in the making of synthetic resins, which is in steadily mounting supply now that there are no longer any restrictions on the use of glycerin in its production.

WPB's allocations of numerous synthetic resins for April and the second quarter have shown a more liberal tendency in numerous directions, notably in acrylic and phenolic resins, formaldehyde, naphthenates, maleic acid, urea and melamine resins and vinyl polymers.

Varnish Gums

Asphaltum.—Buying interest continues keen in all descriptions of these gums but supplies are still light in many directions outside the petroleums and gilsonite, wherein recent tension has been materially relieved by recent freer shipments from sources of production.

Copal.—Varnish makers and manufacturers of resin emulsion paints continue eager to make additional purchases of Congo copal which is virtually the only one of these natural resins in which there is any local supply worthy of the name and the present supply is running decidedly low. Importations have been relatively small since the outset of this year and are not expected to be materially increased as there is a scarcity of available ships and operations along these lines are largely in abeyance because of the restrictions of M-63 on the scores of shipping space and licenses.

Glues and Binders

Casein.—Recent arrival of two sizable cargoes of Argentine casein has eased still further the supply situation in the American market for this material, whose tension had already been

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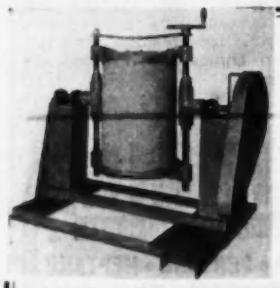

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USES: Oronite Naphthenic Acids and their metal derivatives possess bactericidal and fungicidal properties and are used in the manufacture of soaps and other detergents, greases, water-soluble oils and wood preservatives. Oronite Naphthenic Acids, or their alkaline derivatives (soaps) are used as flotation agents in the mining industry.
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substantially relieved by a gradual recession in buying operations on the part of the paper-coaters and plastics makers.

In view of this lessened demand as well as because of the larger supplies now available here, the War Production Board lately increased its allocations for second quarter distribution to these and other consumers, so that the paint industry will have allocations for that period of 80 percent of its 1942 consumption while the paper-coating trade has been allotted 75 percent of its average consumption in 1940, 1941 and 1942, and the plastics industry, a 20 percent increase over its 1942 consumption. It is also noteworthy that WPB has granted applications for all other uses 100 percent.

Moreover, in order to assure adequate supplies for the next few months, the Foreign Economics Administration has granted import licenses for between 7,500 and 8,000 additional tons of Argentine casein covering the four-month period of April, May, June and July. And a continuance of the private purchase and importation system, traditionally followed by the American casein importers, appears to be assured, now that plans for the formation and functioning of an Anglo-American commission to purchase adequate supplies of casein in Argentina for Great Britain and the United States are being held in abeyance.

Freer offerings of Argentine casein of late have brought about a shading of prices from a range of 19½c.-21c. to 19c.-20c. per pound for acid-precipitated.

Glues.—With the War Production Board considering the granting of fairly liberal allocations of both hide and acidulated bone glues to consumers and with producers endeavoring to assist customers in efforts to procure more sizable allowances when undue hardships would result from their initial inability to obtain allotments of sizable quotas, the tight supply situation in this market is expected to be eased by May 1 to a considerable extent, although still far from being generally satisfactory.

China Clay Shipments Off

Shipments of china clay totaled 929,437 short tons in 1943, compared with 946,588 short tons in 1942 and 1,087,848 short tons in 1941, according to the Bureau of Mines.

Dow Co. Names Dixon To Plastics Post

W. R. Dixon, of the Dow Chemical Company, has been appointed assistant manager of the company's plastic engineering division. Mr. Dixon joined the Dow organization in 1936 and after completing the general plant training course, was assigned to cellulose products division where he worked for two and a half years. In 1939 the company transferred him to its New York office to handle cellulose products in the Eastern territory. In 1941 Mr. Dixon was recalled from New York to the home office.

W. R. Dixon

Peaslee Gaulbert Names Duncan Board Chairman

The Peaslee Gaulbert Corporation, Louisville, Ky., has announced that Stuart E. Duncan, president for many years, had become chairman of the board, and James A. Means, jr., executive vice-president since 1929, and son of a former company executive, had been made president of the company, with which he has been associated for thirty-four years. Mr. Duncan has been with the company sixty years. W. G. Duncan, vice-president, and son of Chairman Duncan, will direct all country sales.

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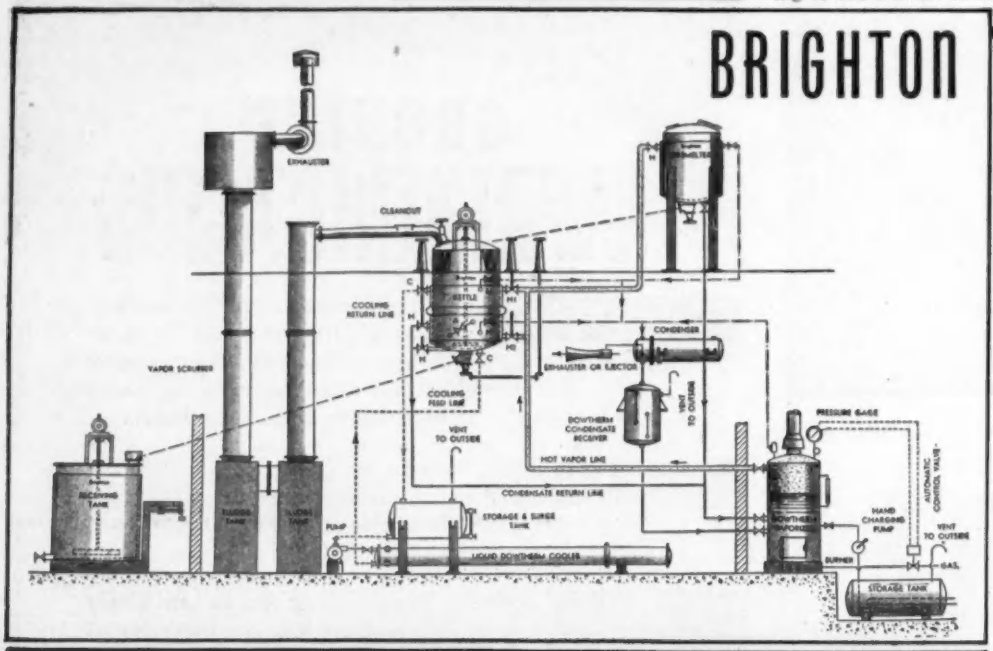

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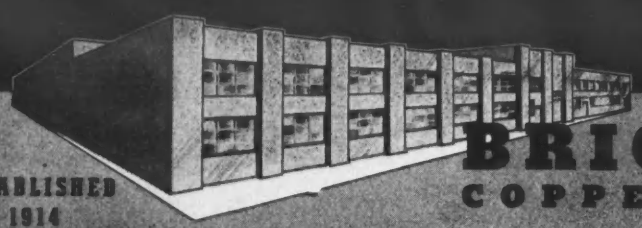
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We illustrate a complete Dowtherm Vapor Heating and Liquid Cooling System as applied to synthetic resin plants. This arrangement comprises two mutually exclusive heating and cooling systems which are separate in their piping as well as in their functioning. The two systems are never operated simultaneously. This vapor heating system is an induced flow system because the condensate is assisted in its return by an exhauster.

The operation: In the heating cycle the liquid Dowtherm is vaporized in Dowtherm vaporizer. The vapor passes along vapor pipe to premelter and to synthetic resin kettle. Valves C and Valve A are closed. Valves H are open. Two heating valves are provided on synthetic resin kettle, marked H1 and H2, which are for upper and lower portions of the jacket respectively. By the use of these two valves it is possible to heat either the lower portion, or the upper portion, or both simultaneously. At the end of the heating cycle when product is to be cooled, valves H are closed, valves C and A are opened and liquid Dowtherm is circulated continuously through kettle jacket. The heat absorbed by the Dowtherm is dissipated in cooler. After temperature has been reduced to desired degree, the pump is stopped and cooling Dowtherm liquid drains back into storage and surge tank, completing cycle.

The Operator is usually stationed at the controls, conveniently located near kettle on main kettle floor. He simply sets recording pressure controller to proper point for maintaining desired kettle temperature which is automatically governed thereafter. The gas and air supply to the burner in the Dowtherm vaporizer is automatically controlled by vapor pressure. Vaporizer is equipped with all necessary devices to shut off the fuel supply in case of excessive vapor pressure, low liquid level, or flame extinguishment.

A feature of this installation is the vapor scrubber which precipitates all sludge and clarifies waste gas. Another feature is the thinning or receiving tank, mounted on platform scales for weighing and measuring the product.

The thinning tank is jacketed so that either steam or water can be circulated to heat or cool the contents or maintain a constant temperature.

Our engineering staff will gladly assist in the design or planning of test and process equipment and cooperate with your own engineers in test supervision or process problems. Write for Catalogue and Data Book No. 10.

Recent Imports

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BARBASCO POWDER—54 cs, National City Bank
ROOT—3,642 bls, National City Bank
BLOOD, DR—700 bgs, Wessel, Duval & Co
BOLDO LEAVES—50 bls, R J Prentiss & Co
BONES—697 bgs, 60,700 lbs, Rogers Mfg Bone Co
REJECT—4,991 bgs, 499,100 lbs, Eastern Gelatine Corp
BRISTLES—19 cs, Stokby Co
115 cs
20 cs, S Hirshenborn & Son
CAFFEINE, ANHYD—36 bbls, Lo Curto & Funk
CALCIUM CITRATE—70 bgs, One Two Three Co
CASHEW KERNELS—443 cs, 22,150 lbs, W A Camp & Co
839 cs, 41,950 lbs, Wm A Higgins & Co
39 cs, 1,950 lbs, Mitchel, Beck & Co
514 cs, 25,700 lbs, T M Duche & Sons
50 cs, 2,500 lbs, Wood & Selick
13 cs, 650 lbs, Biddle Purchasing Co
79 cs, 3,950 lbs, Carleton & Moffat
40 cs, 2,000 lbs, Braun Importing Co
45 cs, 2,250 lbs, L Demartini
71 cs, 3,550 lbs, H A Johnson & Co
79 cs, 3,950 lbs, J Hongan
96 cs, 4,800 lbs, Spencer Importing Co
50 cs, 2,500 lbs, Bower Co
CASTOR BEANS—350 bgs, 52,500 lbs, Chemical Bank & Trust Co
1,700 bgs, 255,000 lbs
17,145 bgs, 2,571,750 lbs
8,500 bgs, 1,275,000 lbs, First National Bank
10,200 bgs, 1,530,000 lbs, Irving Trust Co
18,637 bgs, 2,795,550 lbs, Industrial Trust Co
CHILLIES—400 bgs, W & A Leaman
600 bgs, Standard Bank of South Africa
COCOA BEANS—2,000 bgs, 400,000 lbs, Barclay Bank
400 bgs, 80,000 lbs, W R Grace & Co
900 bgs, 180,000 lbs, Nieschlag & Co
400 bgs, 80,000 lbs, Wessel, Duval & Co
2,000 bgs, 400,000 lbs, Bank of London South America
2,000 bgs, 400,000 lbs, Grace National Bank
1,000 bgs, 200,000 lbs, Chase National Bank & Trust Co
2,000 bgs, 400,000 lbs, Bank of New York
2,000 bgs, 400,000 lbs, Guaranty Trust Co
2,000 bgs, 400,000 lbs, Bankers Trust Co
1,000 bgs, 200,000 lbs, National City Bank
750 bgs, 150,000 lbs, A C Israel Commodity Co
750 bgs, 150,000 lbs, Middleton & Co
4,385 bgs, 877,000 lbs, Wessel, Kulenkampf & Co
400 bgs, 80,000 lbs, Kennedy, Butcher & Co
500 bgs, 100,000 lbs, Wood & Selick
COCOABUTTER—620 bls, Woodward & Dickenson
666 cs, M Golodetz & Co
41 bls, General Cocoa Co
76 bls, M Golodetz & Co
12 bls, Westfeldt Bros
COTTONSEED MEAL—54,405 bgs
GUM, KARAYA—737 bgs, Frank Vliet Co, Inc
HAIR, CATTLE TAIL—40 cs, Stokby Co
MACE—40 cs, W E Martin
6 pkgs, C T Wilson & Co
10 bgs, Middleton & Co
50 cs, Middleton & Co
20 cs, Royal Bank of Canada
10 cs, Wood & Selick
34 cs, C T Wilson & Co
20 bgs, C T Wilson & Co
140 bgs, Catz American Co
47 cs, Catz American Co
15 cs, Kennedy, Butcher & Co
15 cs, Thomas Scott & Co
20 bgs, Knickerbocker Mills Co
8 cs, Dalton Cooper Co
9 cs, Ben Hur Product Co
MENTHOL—112 cs, Wax & Rosin Products
MINERAL SUBST—120 dms, African Metal Corp
NUTMEGS—40 bgs, Geo Lueders & Co
300 bgs, R T French Co
10 bgs, Breakstone Coffee Co
180 bgs, Catz American Co
470 bgs, Otto Gerdau Co
100 bgs, Fritzsche Bros
15 bgs, B C Ireland
62 bgs, Royal Bank of Canada
6 bgs, Dalton Cooper Co
143 bgs, Middleton & Co
583 bgs, Thomas Scott & Co
15 bgs, McClinton Stern Co
15 bgs, Chilli Product, Inc
100 bgs, S H Tyler & Son
121 bgs, C T Wilson & Co
75 bgs, Dodge & Olcott Co
60 bgs, Ben Hur Product Co
160 bgs, A G Dunn
60 bgs, W E Martin
50 bgs, H P Winter & Co
130 bgs, B H Old & Co
NUX VOMICA—546 bgs, Volkart Bros
OIL, CASTOR—39 tons, National City Bank
CITRONELLA—31 dms, Joensson & Cross
COTTONSEED—500 dms
LEMONGRASS—30 dms, Volkart Bros
LIME—6 cs, Dodge & Olcott Co
PALM—1,156 tons, Balfour, Guthrie & Co
SHELLAC—1,422 bgs
BUTTONLAC—20 bgs
SEEDLAC—210 bgs
TEAWASTE—1,515 bgs, Citro Chemical Co
Previous issue inadvertently credited United States Commercial Co. with 11,016 bags. Notation should have read: 1,016 bags, for Maywood Chemical Works.
WAX, BEES—211 blocks, Innis, Speiden & Co
90 blocks, Cornelius Product Co
130 blocks, T Kosterkeunen
200 blocks, F H Paul & Stern Bros
CARNAUBA—67 bgs, 13,400 lbs, Strahl & Pitsch
50 bgs, 10,000 lbs, Wessel, Duval & Co
50 bgs, 10,000 lbs, S C Johnson & Son
35 bgs, 7,000 lbs, American Cyanamid & Chemical Corp
32 bgs, 6,400 lbs, Lenape Trading Co
63 bgs, 12,600 lbs, Manufacturers Trust Co
63 bgs, 12,600 lbs, Chase National Bank
25 bgs, 5,000 lbs, Public National Bank & Trust Co
OURICURY—60 bgs, Wessel Duval & Co

Imported Drying Oils

—*Continued from page 5*

(24½c. per pound) is established for this oil f.o.b. Gulf ports, while condensed oiticica oil, in drums, car lots, f.o.b. Gulf ports is fixed at 23c. per pound, which is the same as the New York price for this oil condensed.

However, Pacific coast ports prices for both forms of this oil (liquid and condensed) are set at one-half cent per pound above New York prices in each case, that being the normal differential on the Coast over the New York price for this oil.

Sesame Oil

A maximum price of 15.15c. per pound f.o.b. Pacific Coast ports, in tankcars has been established for sesame oil. This represents the usual and normal differential prevailing for this oil on the Pacific Coast above the 14.30c. per pound New York price.

Tung Oil

The present maximum price of 39c. per pound for tung oil, f.o.b. New York, in drums, car lots, also is the price for this oil at Pacific coast and Gulf ports. This new action also sets forth differentials for tung oil when sold in less than car lot quantities. Previously, no differential was established for less than car lot sales.

OPA has set differentials, sufficient to cover the additional cost of handling for less than car lot shipments of this oil. Thus, where tung oil is sold in less than car lot quantities, the seller may add to the car lot price the following differentials:—

Quantity sold (returnable drums)	Cents per pound differential to be added
Car lots, in more than one delivery of ten drums each	1
5 to 9 drums, one delivery	1½
1 to 4 drums, one delivery	2

If the oil is shipped in non-returnable drums, the cost of the drum may also be added to the above prices. These differentials are less than those which prevailed for handling this oil in less than car lot sales prior to price control, and should not increase the cost of any item or product for which this oil is used.

Paint Factory Stopped By Brewery Complaint

A paint plant at the corner of Moulton and Alhambra avenues, Los Angeles have been denied a variance to permit operation by Zoning Administrator Huber E. Smutz. This action was taken at the protest of the Eastside Brewing Company, adjacent to the plant, that the paint fumes would permeate the beer.

Paint plants in Los Angeles have undergone strict inspection in the last few weeks to find out if modern methods eliminate objectionable fumes. This plant was the first casualty of the inspection.

Basic Carbonate White Lead Standard Revised by A.S.T.M.

Standard specifications for basic carbonate white lead has recently been approved by the American Standards Association. These specifications, developed by the American Society for Testing Materials' Committee D-1 on Paint, Varnish, Lacquer and Related Products, were first adopted by the ASTM in 1924. This is the fifth revision since that time. The Specifications may be obtained for 25 cents a copy from the American Standards Association, New York.

Chicago Rubber Group To Meet May 19

Chicago Rubber Group will hold a meeting in the Morrison hotel, May 19. Ira Williams, of J. M. Huber, Inc., will discuss "Production Problems and Uses of the Various Synthetic Rubbers."

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Appearance: — White, dry, vitreous powder.
Chemical Composition: — Essentially calcium silicates. Mixture of orthorhombric and monoclinic crystals, with interstitial glass.
Size Distribution:—
% Finer than Indicated Microns

50	45	40	35	30	25	20	15	10	7.5
99.6	98.6	97.0	93.6	88.4	79.9	70.5	57.4	46.2	39.2

Passing 200 mesh sieve . . . 100%
Passing 325 mesh sieve . . . 97-99.9%
Specific Gravity: 3.16
Refractive Index: 1.70
Hardness (Moh's scale): 6.5
Melting Point: . . . . . 1510° C
Dry Bulking Value . . 90 lbs. / cu. ft.
Water Consistency: . . 29
Oil Absorption: . . . 20 (ASTM Designation 281-31)

CALCUATED COMPOUND COMPOSITION

Tri-calcium silicate	43.0
Di-calcium silicate	37.0
Tri-calcium aluminate	16.0
Tetra calcium alumino ferrite	1.0

Special Properties: — Water dispersion possesses hydraulic hardening properties. At present being used in interior and exterior, cold water, powder, paint formulations.

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RUBY OLEINE BRAND (*distilled*)
STAR BRAND (*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

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Melbourne, Australia

STEARIC ACID
OLEIC ACID
(Red Oil)
DISTILLED
FATTY ACIDS
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Oils, Fats, and Waxes

Activity in oils and fats continued restricted to sizable quantities of all varieties moving against contracts placed recently. New business was moderate and in most instances was for small lots for immediate requirements. Prices were steady at ceilings.

Maximum prices have been set by the Office of Price Administration effective April 24, for coyol oil, chia seed oil, and garcia nutans oil, three imported oils not common in this country, but now available to offset shortages of other oils with similar properties. These oils are used for quick drying paints, varnishes, enamels, as liners for the insides of tin cans and for quick shaving soap. The ceiling on coyol oil was set at 11.10 per pound, chia seed oil at 24c. per pound tankcar f.o.b. Pacific coast and garcia nutans at 39c. per pound, in drums, car lots, f.o.b. Pacific coast.

Vegetable Oils

Babassu.—The price for tankcars effective April 24 was set by the OPA at 11.10c. per pound, f.o.b. Pacific coast, the same as prevailing at New York.

Castor.—Prices at New York were unchanged. OPA announced ceilings for No. 1 at 13.50c. per pound, tankcars, f.o.b. Pacific coast, and No. 3 at 13.20c. per pound, same basis.

Oiticica.—Trading fairly active at quotations below ceilings. OPA set price for liquid at 24½c. per pound, tankcars, New York, and 25c. per pound, tankcars, f.o.b. Pacific coast and Gulf ports. Sales at New York in liquid oil were noted at 21c. per pound, tankcars, and at 22c. and 23c. in drums, returnable, according to quantity.

Rapeseed.—Ceiling price of 11.50c. per pound, tankcars, c.i.f. Pacific coast and Gulf ports, was announced by OPA. This is the same figure in effect at New York.

Sesame.—OPA has set 15.15c. per pound for oil, tankcars, f.o.b. Pacific coast. The New York ceiling was unchanged at 14.30c. per pound, tankcars.

Sunflower Seed.—A maximum price was established for semi-refined at 14.05c. per pound, tankcars, f.o.b. Gulf ports, or ¼c. below the New York level, and ¼c. under the New Orleans price of cottonseed oil.

Tung.—There was no change in the prevailing price of 39c. per pound, in drums, car lots, f.o.b. New York and Pacific coast, although price differentials were announced for less than car lots, drums returnable, as follows:—1 to 4 drums, one delivery, 2c. per pound more than car lots; 5 to 9 drums, 1½c. more, and car lots, in one or more delivery of ten drums each, 1c. higher.

Atlanta, Apr. 19.—Southern markets are reported practically bare of oilseed products. Few sales of vegetable oils were reported and none below ceilings. Cotton and peanuts planting is behind more than two weeks due to wet weather. Failure to plant the anticipated cotton acreage in the lower South on time is said to be influencing farmers to plant peanuts.

Chicago, Apr. 20.—Vegetable oils were in moderate demand and business shows little effect of the order releasing cooking and salad oils from ration-point regulations. Ruling prices are:—Coconut oil, crude, Pacific Coast, 8c. per pound. Corn oil, crude, mills, 13¾c. per pound; refined, edible oil, 15¼c. to 15½c. per pound, drums, car lots. Peanut oil, crude, Southeast, 13c. per pound. Soybean oil, crude, 11¾c. per pound, Decatur; refined, unbleached, undeodorized, 12.59c. per pound, Decatur.

Los Angeles, Apr. 19.—Little change occurred last week in the vegetable oil market. Soybean continues in fairly good call, but other oils were in light demand. Prices were firm at ceilings.

Flaxseed

Offerings of seed continued scanty. Crushers manifested an active inquiry for prompt and nearby delivery, but trading was light.

Minneapolis, Apr. 19.—Daily arrivals were moderate to light and little free flax was for sale. Crushers were eager to buy but found little seed for sale. Stocks in local elevators decreased 15,000 bushels in four days compared with a decrease of 5,000 bushels during the same period last year. Today there was 6,000 July offered and taken by commission houses.

Weather has delayed field work over a large area and no doubt some of the land intended for flax will be sown to feed grains. Seed houses claim they are getting more cancellations than orders for seed flax.

Prices quoted at ceilings for spot and arrive flax. Shipping advices are light and there still is a sizable quantity of seed due on former arrive contracts.

Crop movement in bushels follows:—

	Receipts		Shipments	
	1944	1943	1944	1943
This week	184,500	246,000	24,000	19,500
Since Sept. 1	19,137,500	14,422,500	2,760,500	1,278,500

The week's closing flaxseed price range was as follows:—

	Cash	May
Saturday	$3.05	$3.05
Monday	3.05	3.05
Tuesday	3.05	3.05
Wednesday	3.05	3.05
Thursday	3.05	3.04
Friday	3.05	3.04

Buenos Aires, Apr. 21.—Exports this week to the United Kingdom were 356,000 bushels and to other 8,000 bushels, a total of 366,000 bushels. No flaxseed offerings received. Visible supply estimated at 13,780,000 bushels.

Rosario, Apr. 21.—Flaxseed—$1.73⅝; Buenos Aires, $1.82⅝.

London, Apr. 21.—Linseed oil United Kingdom, spot, 60s. per cwt.

Hull, Apr. 21.—Flaxseed—Bombay, April, £28½; Calcutta, £28½; La Plata, April, £22⅝.

Linseed Meal

Demand for meal was slightly off during the week, but offerings continued light as crushers were behind in deliveries against former contracts.

Minneapolis, Apr. 19.—Crushers continued to operate to capacity. They had nothing for sale for nearby shipment and were chary of selling much for deferred shipment. Demand declined a little on account of warmer weather and growing grass. However, the wants of the trade for spring and summer shipment exceed offerings by a liberal margin.

Shipments of linseed meal in pounds were as follows:—

	1944	1943
This week	12,060,000	9,780,000
Since Sept. 1	387,842,000	361,140,000

Chicago, Apr. 20.—Buyers are cautious. However, offerings are at minimum and prices well maintained. Sacks quoted at $48.88 per ton, April delivery.

Linseed Oil

Trading in linseed oil was quiet during the week. Paint and other consumers continued to absorb promptly stocks of oil up to the prevailing 60 percent quota, mainly against current contracts, while new business was confined to occasional car lots as required. Demand for replacement linseed oil was rather dull, being affected by the inclement Spring weather.

Flaxseed for May delivery on the Minneapolis market was offered at $3.04 per bushel on Thursday, 1c. below the ceiling, due to liquidation, while other positions were unchanged at $3.05 per bushel.

Minneapolis, Apr. 19.—There was a slowing of linseed oil trade during the week. Buyers are not interested in round lots and the government demand is indifferent.

Shipments of linseed oil in pounds were as follows:—

	1944	1943
This week	6,600,000	9,960,000
Since Sept. 1	227,830,000	31,980,000

Chicago, Apr. 20.—Orders for linseed oil are slow and business generally is at a low ebb. However, tone remains steady. Prices are 14.3c. per pound, tankcar; 15.3c., drums, car lots; 15.7c., drums, less than car lots.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
195.3	195.3	195.3	194.3

For current prices see alphabetical listing beginning on page 9.

Association Meetings:—

American Oil Chemists' Society, Roosevelt Hotel, New Orleans, May 10 to 12.

National Cottonseed Products Association, May 17 and 18, Roosevelt Hotel, New Orleans.

National Peanut Council, Biltmore Hotel, Atlanta, Ga., May 2 and 3.

Cottonseed Oil

Removal of ration points on bleachable cottonseed oil and the cancellation of restrictions other than allocation permits after delivery is made, by the Office of Price Administration, have improved the prospects of trading in cottonseed oil futures. Bleachable oil for March, 1945, delivery was offered at 13.50c. per pound during the week on the New York Produce Exchange.

Cancellation of ration points on shortening and cooking and salad oils for civilian use, effective April 16, was expected to improve demand for these products, which has been lagging. OPA also announced that neither industrial nor institutional users henceforth may acquire fats and oils having a zero point value if they already have 30 days' supply on hand. OPA further announced an adjustment of the ration point allotment granted industrial users, such as bakers, who have already received allotments for April, May and June at 4 points per pound. If they had points when the second allotment was received it would not be considered that they had used them, until those on hand were disposed of, OPA said.

Office of Price Administration has announced a correction in RMPR 444, section 13 (a), effective April 22, covering the basic maximum price, f.o.b. port of entry, of imported cottonseed oil, meal, cake, sized cake or pellets or cottonseed hulls. If the port of entry is located in Oregon or Washington, the maximum price shall be the same for such sale by a processor of a like quantity and quality of the domestic product, f.o.b. production plant San Francisco, California; or if the port of entry is not located in a State specifically named in section 4 (a) or in Oregon or Washington, the maximum price shall be the same as the domestic product f.o.b. production plant, Memphis, Tennessee.

Prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
May	....	....	14.00 Nom.
July	....	....	14.00 Nom.
September	....	....	14.00 Nom.

Cash, 14c., nom.

Crude, Southeast, 14¾c., nom.

Memphis, Apr. 20.—Business in crude cottonseed oil slow. Cottonseed and soybean meals moving readily into consumption as produced. Continued rains delaying crop preparation. Manpower shortage affecting planting.

Chicago, Apr. 20.—Cottonseed oil is steady. Offerings are not heavy and buyers seem to be willing to bid for material. Refined, edible oil, 16¼c. to 16½c. per pound, drums, car lots; 16¾c. to 17c., drums, less than car lots.

Cake and Meal

Owing to the sold-up production of cake and meal, combined with an active demand and scarcity of offerings, the market was firm at ceilings.

Fatty Acids

Steady demand featured this market. Business was moderate but continued restricted due to the sold-up condition of the output.

Chicago, Apr. 20.—Steady volume of business was reported for fatty acids. Orders seem to be making good comparison with earlier periods. Corn oil, double distilled, Chicago, tankcar, 11c. per pound; coconut oil, distilled, 18c. to 18½c.

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per pound, tankcar; cottonseed, double distilled, delivered, 11¾c. per pound, tankcar; cottonseed foots, 50 percent basis, 3¼c. to 3½c.

Fats and Greases

Grease.—Withdrawals against contracts were in good request. Demand for additional lots was quite active. Market remains firm.

Tallow.—Consumers continued to manifest an active inquiry. Offerings were limited and promptly absorbed.

Fish Oils

Cod.—Limited quantities were closely held at prevailing prices. Trading was light.

Menhaden.—Small lots were in fair request at ceilings.

Sardine.—Consumers continued to purchase small quantities for immediate needs.

Baltimore, Apr. 19.—With the releasing by the government of 20,000,000 pounds of menhaden, pilchard and sardine oils on the Pacific and Atlantic coasts, trading here was inactive, with buyers showing little disposition to take hold at present. Prices remain firm at ceilings.

Los Angeles, Apr. 19.—The market here is entirely dormant owing to the in-between season. Ceiling on crude oil held at 66.75c. per gallon in tankcars.

Chicago, Apr. 20.—Demand slow for fats and grease, but undertone is steady and reflects the limited quantities available. Inquiry was fair. Prices were:—A white grease, 8¾c. per pound; stearin, 10.61c. per pound; inedible tallow, prime, 8⅝c. per pound.

Animal Oils

Degras.—Trading was spotty, though inquiry was quite active for prompt needs.

Lard.—New business was restricted to small quantities.

Neatsfoot.—Demand was dull and featureless. Price remains steady.

Chicago, Apr. 20.—Prices are holding steady on animal oils. Volume of inquiry and orders is good. Inquiry was active. Lard oil, No. 1, 14½c. per pound; oleo oil, No. 1, 13¾c. per pound; tallow oil, acidless, 13¾c. per pound, tankcar.

Waxes

The arrival of 706 bags of beeswax aided in the matter of supply only to a moderate extent; the market could use substantially more beeswax than shipping and quotas provide for this market. No arrivals of carnauba wax were reported and the market continued bare of suplies as demand has absorbed all of the recent arrivals which, on the basis of figures alone, appeared to be large until the total was added to the extremely moderate total to reach here since the first of the year. Candelilla wax continued firm and subject to reasonable activity.

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Textile and Leather Chemicals

Supplies of starch and other corn products continue very short, with producers shipping such materials only on high priority ratings. Latest plan to increase the amount of corn for industrial processors is to have agricultural agents locate surplus stocks of corn on the farms and then offer to shell and truck surpluses to collecting points, the government paying such costs and thus in effect giving the farmer that much above the ceiling price for his corn. The tight cornstarch supply is being reflected in considerably increased demands for potato, wheat, and other starches.

Call for textile processing agents generally was actively maintained during the week. Brisk movement of the majority of the tanstuffs is reported to be depleting stocks of such materials, particularly in the case of clarified quebracho extract and wattle bark extract. Myrobalans supplies are said to be somewhat larger than those of the other tanning agents, principally because of its higher cost.

Average weekly consumption of apparel class raw wool in February amounted to 11,723,000 pounds, scoured basis, compared with 11,557,000 pounds in January and 12,330,000 pounds in February, 1943, according to the Bureau of Census.

Chemicals

Bleaching Powder.—Production of bleaching powder containing from 35 percent to 37 percent of available chlorine during February amounted to 5,805,000 pounds according to the Bureau of Census. January output was reported as 5,595,000 pounds. Stocks on hand at the end of February were 1,782,000 pounds; and at the end of January, 1,622,000 pounds.

Chrome Acetate.—Movement into textile manufacture at subnormal rate. Quotations show no change.

Hydrogen Peroxide.—WPB in its April allocations revealed that individual allocations for that month were recommended on the basis of average monthly purchases during the first half of 1943. However, requests for allocations for the month of May would be returned it was stated, if the one-time 1943 consumption and stock report (WPB 3442) had not been received. The report data was declared necessary so that future allocations may be based on actual consumption rather than purchases from suppliers.

Potash Bichromate.—Output of potassium bichromate and potassium chromate totaled 714,000 pounds in February, according to the Bureau of Census. In comparison, production during January was said to have amounted to 763,000 pounds. Stocks at producing plants at the end of February were reported to have been 409,000 pounds, and at the end of January 579,000 pounds.

Soda Bichromate.—February output of sodium bichromate and chromate amounted to 7,088 short tons, it is reported by the Bureau of Census, compared with a production of 7,029 short tons in January. Stocks at producing plants at the end of February amounted to 1,064 short tons; and at the end of January, 772 short tons.

Dyestuffs

Annatto.—Small stocks in strong hands holding market tone firm. Demand restricted by WPB limitation order.

Hematine.—Demand somewhat slow. Supplies ample to meet current call for material. Market tone steady.

Turmeric.—Firm schedule of quotations being maintained by short supply position.

Sizing Materials

Albumen, Blood.—Overall demand continues to take material briskly, with cork industry calling for slightly increased amounts, and thus filling in seasonal decrease in demand from tanning industry. Quotations remain steady.

Albumen, Egg.—Producing plants continue to operate actively, maintaining comfortable spot supplies and building stocks. Demand good. Prices steady. The War Food Administration has amended Announcement FSC-1519, changing the words "Federal Surplus Commodities Corporation" of "FSCC" to read "Commodity Credit Corporation" of "CCC" wherever they appear in the text. All future contracts for egg albumen by the WFA or Office of Distribution will be concluded in the name of the CCC, and all proposals and offers submitted under the announcement must bear specific reference to the amendment, it was stated.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week.	Last month.	Last year.
262.9	262.9	263.2	261.2

Corn Sugar.—The War Food Administration reports that during January and February, a total of 1,110,000 pounds of corn sugar and 565,300 pounds of corn syrup were purchased for lend-lease, territorial emergency, Red Cross and other purposes.

Egg Yolk.—Supply position continues good. Market tone steady. The WFA has amended Announcement FSC-1833, governing the purchase of dried whole eggs in the same manner as Announcement FSC-1519 described under Albumen, Egg.

Starch, Corn.—Supplies of cornstarch and other corn products continue to be shipped only on orders bearing very high priority ratings. Little improvement has been reported as regards the amount of corn arriving at industrial plants for processing. Latest reported plan of the WFA to increase the supply of such corn is to send agents into the corn belt to learn from the farmers the amount of corn being held in excess of actual feeding requirements.

Where surplus corn is thus found, Agricultural Adjustment Agency agents will offer to shell and truck the surplus corn to the nearest storage or shipping center. The farmer will receive the price he is ordinarily paid for delivering the corn at such receiving points, amounting to approximately seven cents a bushel above the corn ceiling. Payment of shelling and trucking costs will give the farmer a higher price for his corn without directly raising the ceiling, which the Office of Price Administration has refused to do.

The WFA also revealed during the week that in January and February a total of 7,697,320 pounds of cornstarch had been purchased for lend-lease, territorial emergency, Red Cross and other purposes. The Department of Agriculture has reported that the March 1 indicated corn acreage of 99,600,000 acres is about 650,000 acres less than was called for under the agricultural goals for 1944; to produce a corn crop estimated at 3,126,000 bushels, about 6,000,000 bushels under the record 1942 crop, but 50,000,000 bushels larger than the 1943 crop.

Starch, Potato.—Short supply position of cornstarch reflected in tightening potato starch picture. Demand has increased considerably. Prices firm.

Starch, Tapioca.—Stocks reported to be decreasing gradually. Replenishment expected in several months when Spring production is shipped from Latin America.

Zein.—Increased production enabled WPB to revoke allocation order M-320 governing zein April 19. A substantial inventory balance is reported to be on hand.

Tanning Materials

Myrobalans.—Supplies easier than other tanning materials, but disproportionately higher price is reported to be limiting demand. Quotations unchanged.

Quebracho.—Call continues active. Supplies exhibiting tightening influence. Amount of clarified extract available particularly small. Schedule of prices unchanged.

Wattle Bark.—Both bark and extract supplies have become tighter. Inquiry reported as brisk. Market tone firm.

For current prices see alphabetical listing beginning on page 9.

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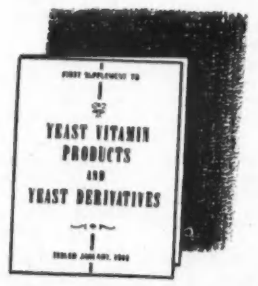

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Drugs and Fine Chemicals

The spot market for drugs and fine chemicals lacked new price developments last week. Producers reported price stability as a condition present in practically all products, irrespective of the fact that demand pressed supply actively in many materials and articles in which oversupply existed were few and far between.

During the period reviewed, the War Production Board made it known that it estimated 1944 ethyl alcohol requirements at 630,000,000 gallons and stated that the true reserve of government stocks was but 55,000,000 gallons. WPB also revoked its order M-168 regarding isopropyl alcohol and put the product under general allocation order M-300 which requires consumers to make direct application for allotments. OPA set ceiling prices for Pacific Coast castor oil. Also, OPA set a price formula to cover pricing of alcohol made from potatoes, said formula being the cost-plus pricing method provided for alcohol made from grain. Finally, OPA permitted makers of laboratory reagent specialty solutions containing tax-paid ethyl alcohol to add revenue taxes in excess of $4 per proof gallon to their present ceilings.

The first methanol production figures to be issued for a long time came from the Bureau of the Census, Department of Commerce. Production of natural in the first two months of this year totaled 722,050 gallons; synthetic methanol, 11,426,000 gallons.

Production of penicillin in Portugal is to be established in a new laboratory financed by all Portuguese pharmaceutical manufacturers. This announcement was made at Lisbon in company with a report that on April 16 a new consignment of the article had arrived by air from the United States.

A government pronouncement of interest to exporters was one made by the assistant postal censor of the Office of Censorship who stated that names of ships should be used in shipping documents since the use of code numbers confuses examiners and time is thereby lost. The Foreign Trade Council reported that exporters have been advised to abandon the use of code numbers in their correspondence to indicate names of ships on which their cargo is carried.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
242.8	242.8	242.8	241.0

Acid, Ascorbic.—War Food Administration February purchases for lend-lease and other purposes totaled 15,494,000 tablets.

Acid, Citric.—War Food Administration February purchases for lend-lease and other purposes totaled 903,430 pounds of granular material.

Alcohol. — War Production Board offered some statistics on the alcohol position. Production of 190 proof alcohol in March, 1944, totaled 51,500,000 gallons, a new high record. Imports totaled 1,800,000 gallons. Stockpile set at 85,000,000 gallons but true reserve was stated to be 55,000,000 gallons. Requirements for 1944 were estimated at 630,000,000 gallons. Requirements program was reported as follows:—

	Millions of Gallons		
	1944	1943	1942
Direct military	24.6	39.9	46.1
Lend-lease	48.9	68.0	25.1
Synthetic rubber	365.0	126.9	—
Indirect military, civilian	160.0	147.9	128.0
Anti-freeze	32.0	50.8	30.0

During the week, OPA directed that effective April 24, alcohol makers utilizing potatoes in whole or part to use the cost-plus pricing method provided for alcohol made from grain. Part of the cost of potatoes is borne by the government. Also, the WPB, as of April 15, revoked order M-168 and placed isopropyl alcohol under general allocation order M-300 which required direct applications by consumers. Shortage in ethyl alcohol had increased consumption demand for isopropyl alcohol. Manufacturers of laboratory reagent specialty solutions containing United States tax-paid ethyl alcohol may add to their present ceiling prices the exact amount of the tax in excess of the $4 per proof gallon for the alcohol contained in the solution.

Ammonia Thioglycolate. — Plentiful supplies reported in hand and the consuming field was considered capable of expansion.

Castor Oil. — Further arrivals of beans totaled 8,172,300 pounds. Total arrived since January 1 is now 107,678,000 pounds. This total compares with reasonable closeness to the total of approximately 106,978,000 pounds for the corresponding time a year ago. During the period, the OPA established prices for USP and No. 3 castor oil on the Pacific Coast at 13½c. per pound for the former, and 13.2c. per pound for the latter, in tankcars.

Chicago, April 19.—Trade in castor oil is holding in good volume. Prices are: Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¾c. per pound; drums, less than car lots, 15c.; tanks, 13½c.

Corn Syrup.—Insufficient movement of corn to processors is creating a further shortage in this derivative. Activity of agents for the Argentina producers is increasing as the position of the domestic makers grows more acute.

Fishliver Oils.—War Food Administration purchases in February for lend-lease and other needs totaled 4,400,000 million units of vitamin A oils. The supply situation on this market continues to be tight as ever.

Los Angeles, April 19.—Market activity in fish liver oils is showing a tendency towards an increase with the availability of a little more oil being noted here. Reports from Seattle are to the effect that there have been practically no arrivals of shark carcasses for some little time. Mexican livers are entering here in fair volume however, it is said. Situation very steady.

Glycerin.—Consumers do not have to file applications for glycerin, the item now being free from allocation and subject to limitation orders. Certain reporting requirements are still in force but these in no way affect or restrict the acceptance of delivery or use of glycerin. There seems to be sufficient glycerin for requirements now in sight and the suspension of allocation is due to continue through April, May and June. The FDO No. 34 was partially suspended under date of March 22 and was made possible by the increased production of fats caused by the unprecedented number of hogs which came to the market in the early months of the year.

Chicago, April 19. — Consuming lines continued to evince considerable interest. The tone has been holding firm. Prices for both chemically pure and high gravity are:—Tankcar, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Isopropyl Alcohol.—This article has been placed under general allocation. WPB on April 15 revoked its order M-168 and placed the product under M-300. This will require that consumers make direct application for stocks and the move was prompted by the increase in demand which has grown during the shortage of ethyl alcohol. The basis for allocation was not changed.

Menthol.—With purchase prices and sales prices having been ceiled by the OPA order that set limits for importers and distributors, it remains to be demonstrated that Brazil will sell natural menthol at prices which will make it possible for United States importers and sellers to observe said ceilings. Imports totaled 112 cases.

Mercurials. — To the six domestic manufacturers of all or some of the quicksilver derivatives another producer is about to be added. It is also believed that some, who in the past had handled Italian mercurials, are at least looking forward to postwar possibilities.

Methanol.—Statistical data covering production and stocks of natural and synthetic methanol, as compiled by the Bureau of the Census, Department

For current prices see alphabetical listing beginning on page 9.

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of Commerce, and covering January and February, 1944, are as follows:—

	Gallons	
	February	January
Natural		
Production	347,489	374,611
Stocks	233,363	189,926
Synthetic		
Production	5,419,000	6,007,000
Stocks	5,208,000	5,777,000

Milk Powder.—Reports of purchases made by the War Food Administration between March 29 and April 3, inclusive, were:—Skimmed, spray process, 3,185,576 pounds; roller process, 4,292,741 pounds; whole, spray process, 2,947,000 pounds. War Food Administration February purchases for lend-lease and other purposes totaled:—Skimmed, spray process, 8,996,790 pounds; roller process, 4,365,930 pounds; whole milk powder, 646,500 pounds. Increases necessary to maintain undiminished production of low-priced brands of malted milk may be allowed in the maximum prices of those brands, according to OPA on April 13.

Quicksilver.—Although the market was bare of new developments from the angle of sales—save that new production of mercurials is about to enter the market—government reports afforded some hitherto unpublished data. February production was reported at 3,800 flasks; it had been 4,400 flasks in January. Consumer, dealer stocks at the end of February were reported as 9,400 flasks; at the end of January they had been 11,300 flasks. Producers' stocks at the end of February were 5,450 flasks, against 5,459 flasks at the end of January. The Geological Survey, Department of the Interior, reported on mercury deposits in the Cinnabar Creek area, Gorgetown, and Akiak districts, southwestern Alaska. Said deposits have been little explored and poorly exposed and information in hand was called inadequate.

San Francisco, Apr. 19.—Quicksilver remained on the steady side this past week. Additional sales were reported on the basis of $125 per flask and upwards.

A.D.M.A. Convention

—Continued from page 7

present the completion of progress reports on a comprehensive study of the resinous drugs ipomea, jalap, and podophyllum and extended later to include powdered extract of glycyrrhiza U.S.P. XII. C. C. McArthur, chairman of the subcommittee on replacement materials, will present a report of accumulated information collected from member firms as well as other sources on replacements and substitutions during the past year. In view of the shortage of lactose the subcommittee on digestive ferments and glandular products undertook a study of the suitability of sucrose containing a small amount of starch as a diluant for pepsin. This replacement has already been adopted by the National Formulary, and Dr. William Fenger's report will cover his subcommittee's activities in this investigation.

The first general session will be called to order by President John G. Searle at 9 a. m. May 2, and will have as its guest speakers, Lt. Col. Ralph R. Patch, Sn. Corps, Office of the Surgeon-General of the Army, and Fred J. Stock, chief of the Drugs and Cosmetics Section, Chemicals Bureau, War Production Board.

The second general session, May 3, has as its program for that day "Progress in Medicinals and Military Medicines." It will be in charge of Major General George F. Lull, Deputy Surgeon-General of the Army. Those who will participate and the subjects of their addresses are as follows:—

Brig. Gen. C. C. Hillman, United States Army, Chief Professional Service Office of the Surgeon-General—"Observations of Chemotherapy in the Army."

Capt. Erik G. Hakansson (MC), Naval Medical Research Institute, National Naval Medical Center—"Present and Future Control of Tropical Diseases."

Col. Leonard T. Peterson, Medical Corps, Survey Division, Office of the Surgeon-General—"War Injuries."

Capt. W. M. Craig (MC) USNR, Chief of Surgery, United States Naval Hospital, National Naval Medical Center—"Innovations in the Teaching of Medical Subjects."

The third general session, May 4, will have the following speakers:—

John C. Baker, Associate Dean, Harvard University—"Needed—A Philosophy of Business."

Francis H. Russell, chief, World Trade Intelligence Division, Department of State—"Some Economic Weapons in Total Warfare."

Dr. Morris Fishbein, Editor, Journal of American Medical Association — "Progress in the Distribution of Medical Care."

Obituaries

Oswald N. Cammann

Oswald N. Cammann, former president of the Chesebrough Manufacturing Company, died in New Canaan, Conn., April 20. He was eighty-five years of age. Mr. Cammann, who joined the firm in 1885, was made a vice-president four years later and became president in 1909, retiring in 1923.

Surviving are a daughter and a son.

Carl M. Magnus

Carl M. Magnus, who was prominent in the European rubber industry prior to World War I, and more recently representative in Wisconsin for the Bridge Chemical Company of Chicago, died in his home in Milwaukee April 5. He was seventy-one years of age. Prior to coming to the United States in 1939, Mr. Magnus, who lived in Vienna, Austria, where he published the rubber trade paper, Gumi-and Asbest-Zeitung, was for many years a manager of the rubber cartel which included manufacturers in Austria, Hungary and Czechoslovakia.

Surviving are his son, Herbert, who is a beverage control expert with the Office of Price Administration, a daughter, living in Austria.

L. E. Phillips

Lee E. Phillips, co-founder with Frank Phillips of the Phillips Petroleum Company, died in Bartlesville, Okla., April 16. He was sixty-seven years of age.

Born in Conway, Iowa, Mr. Phillips moved with his parents to Nebraska. He subsequently taught in country schools and in 1904 Mr. Phillips moved to what was then Indian Territory, where he devoted himself to banking and oil operations and made his permanent home.

Mr. Phillips served for many years as vice-president and general manager of the Phillips Petroleum Company, and before his retirement was a director of the Federal Reserve Bank of Kansas City.

He was married in 1902 to the former Miss Lenora Carr. They had three children, Philip Rex, Martha Jane and Lee Eldas Phillips, jr. Frank and Waite Phillips also survive.

Edgar H. Steenken

Edgar H. Steenken, president of Battelle & Renwick, Inc., refiner of sulphur, saltpeter and soda nitrate, New York, died in his home in Brooklyn, April 10. He was seventy years of age.

Born in Brooklyn, Mr. Steenken became president of Battelle & Renwick in 1913 a position formerly held by his father for many years. Mr. Steenken was also treasurer and director of the National Sulphur Company and the Cellustone Company. Surviving are his wife, a son and two daughters.

Dr. Roger C. Wells

Dr. Roger C. Wells, chief chemist of the United States Geological Survey, died April 19 in Washington, D. C. He was sixty-six years of age. Born in Peterboro, N. Y., Dr. Wells received an A.B. degree in 1901 and a Ph.D. degree in 1904 from Harvard. He was assistant in chemistry at Harvard from 1902 to 1904. From 1905 to 1907 he was an instructor in physical chemistry at the University of Pennsylvania, and from 1907 to 1908 was research chemist for the General Electric Company.

Dr. Wells joined the United States Geological Survey in 1908 as a physical chemist and from 1917 to 1920 was mineral resource specialist on sodium compounds. He became chief chemist in 1930.

Surviving are a wife and two sons.

Frank J. Cunneen, Washington representative of Cochrane Corporation, Philadelphia, Nordburg Manufacturing Company, Milwaukee, LeRoi Engine Company, Milwaukee, died at his home in Northwest, Washington, D. C., of a heart attack, April 7. He was 53 years old.

William Titus Horne, professor of plant pathology at the University of California citrus experiment station, died at his home in Riverside, Calif., on April 12. He was sixty-eight years old.

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Coriander, Fennel Growth Domestically Studied

In an effort to determine whether such spices as coriander, fennel, sage and dill can be cultivated in the United States on a commercial basis, Charles P. McCormick, president of McCormick & Co., has purchased a tract of land on Parson Island, Anne Arundel County, Maryland, to conduct such test. Tests are also to be made to ascertain if pyrethrum can also be raised in a profitable volume.

While domestic labor costs, such as the tending of the fields and the care of the cultivations of the crop, have been prohibitive in the cultivation of such products, when compared with costs in the Far East, Mr. McCormick is of the opinion that the tests will serve to stimulate interest in the development of standard farm machinery which could be adapted to the planting and harvesting of spices and other farm products. This machinery could tend to offset the prohibitive labor costs. Mr. McCormick was emphatic in his statement that the cultivation of such crops was for experimental purposes only.

T.G.A. to Meet May 18-19

—Continued from page 7

den, director of the board of standards, will submit their annual reports.

Friday, May 19

Francis Chilson will speak on postwar production problems.

A. L. van Ameringen of van Ameringen-Haebler, Inc., will discuss aromatic chemicals.

F. T. Dodge, of Dodge & Olcott Company, will discuss essential oils.

H. B. McCoy, chief of the industrial economy division of the Department of Commerce, Washington, will discuss the outlook for foreign trade during the postwar period.

Earl Godwin, news commentator of Washington, will address the meeting immediately following lunch.

Scientific Section to Meet

There will be an evening meeting of the scientific section May 18, conducted by H. D. Goulden, temporary chairman of the section. The preliminary program is as follows:—

"On the Interpretation of Pharmacological Data," by O. S. Gibbs, M.D., director, medical research division, Plough, Inc.

"Molecular Constitution and Bromo Acid Solubility," by Dr. H. Coutinho, director of research, George W. Luft Company.

"The Role of Dentifrices and Mouth Washes on the Prevention of Oral Disease," by L. S. Fosdick, M.D., Northwestern University.

"Report of the Scientific Advisory Committee," by Dr. E. C. Merrill, assistant vice-president, United Drug Company.

Election of chairman and vice-chairman of Scientific Section.

Arthur Rowe Retires

Arthur H. Rowe, for nearly forty years a salesman for Heyden Chemical Corporation, New York, recently retired to devote his full time to his farm in Monroe, N. Y.

Iceland-U.S. Trade Pact Copies Available

OPD Washington Bureau

The United States Tariff Commission has just issued a report entitled Trade Agreement between the United States and Iceland. The introduction to the report contains a discussion of the economy of Iceland; a brief analysis of the trade between the United States and Iceland; and a summary of the reciprocal trade agreement, which became effective November 19, 1943. The main body of the report consists of digests of trade data relating to the classes of imported merchandise upon which the United States, under the terms of the agreement, granted tariff concessions in the form of rate reductions for some commodities and commitments to continue others on the free list. A copy of the report may be obtained upon application to the United States Tariff Commission, Washington 25, D. C.

The agreement, on the part of Iceland, makes permanent the following rates of duty on imports from the United States:—

Cottonseed oil, bound at 2 aurae per gross kilo, plus 8 percent.

Lubricating oil, bound at 2 aurae per gross kilo, plus 2 percent.

Soybean oil, bound at 2 aurae per gross kilo, plus 8 percent.

The agreement, on the part of the United States, includes the following commodities imported from Iceland:—

Cod oil, bound on the free list.

Codliver oil, bound on the free list.

Fishscrap, for feed or fertilizer, bound on the free list.

Herring oil, reduced from 5 cents per gallon, plus tax of 3 cents per pound, to 2½ cents per gallon, plus tax of 1½ cents per pound.

Norda Replaces Plant Destroyed by Fire

Norda, Ltd., manufacturer of evergreen leaf oils, Toronto, Canada, has acquired a three-story brick building in Vankleek Hill, Ontario, to replace its factory there which had been recently destroyed by fire. The firm also has distilling plants at Glen Robinson and Alexandria, Ontario, for oil of cedarleaf, and maintains two extensive units for the distilling of Canadian fir needle oils, oil of hemlock and oil of spruce.

The company, which is the Canadian agent for Norda Essential Oil & Chemical Company, New York, plans to build another unit in Quebec as well as augmenting its production capacity at the other points.

Cosmetic Gift Sets Prices Set for Christmas

OPD Washington Bureau

Provisions of the regulation establishing maximum prices for Christmas cosmetic gift sets have been broadened to include cosmetic gift sets generally, and packagers of new gift combinations of cosmetic articles have been given a method for establishing uniform retail ceiling prices, the Office of Price Administration has announced. The action, effective April 22, 1944, will not change prices for gift sets which have already been priced under applicable regulations.

Affiliated Drug Stores to Meet

The Affiliated Drug Stores will hold its Spring meeting in the Biltmore hotel, New York, April 23 to 26.

Wargell General Manager Of Burrough Brothers

Walter F. Wargell has been named general manager and director of sales for Burrough Brothers' Manufacturing Company, pharmaceutical and botanical products, Baltimore. A. La Course, connected with the company for twenty-six years, is in charge of the new products department. J. Harris Sanner, associated with the firm for twenty-eight years, has been made secretary and assistant treasurer.

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Botanical Drugs, Spices, Gums

Demand for botanical drugs did not exceed the simmering stage last week. Such demand as did exist did nothing but tend to force higher prices to the fore and emphasize the fact that stocks have rarely been so low as they are now.

The group of gums moved into a position of some prominence, arabic, karaya and tragacanth gums being the items occupying a more conspicuous place. In arabic and karaya, importers are faced with trouble in the form of availability of ships to bring cargoes forward. In the case of arabic, substantial quantities have been bought, but the opening of the Mediterranean route has diverted many ships from Port Sudan, creating a scarcity of cargo-carriers whereby the purchased gum might be brought forward. Thus far this year probably not more than three ships carrying arabic have arrived. The result has been a stiffening of spot values and the withdrawal of offerings of so-called speculative holdings. Ships to carry karaya are more numerous than arabic transports, but against that has developed a larger consumption by textile interests in India. Domestic consumption takes practically all imports promptly, and the result is subnormal unsold stocks and a stronger market generally. The position of tragacanth is the reverse. Imports of No. 1 ribbon gum have piled up here until it is now estimated that stocks cover two to three years' requirements. It is high cost gum, notwithstanding which prices continue to work lower. Nothing like the usual gradings of gum below ribbon grade exists, and such grading, even in normal times, was certainly broad and unscientific enough.

Of important to importers of raw spices and spice seeds was the report that the Office of Price Administration is about to issue an amendment to its Maximum Price Regulation No. 231, the amendment being to the effect that importers will not be permitted to pay more than the specific ceiling price on any material, even if the importer intends to process the article.

Balsams

Peru.—Jobbing business was very good and buyers failed to find stocks of superior size in local quarters. Undertones were very firm.

Tolu.—Activity was moderate. So were stocks. The result was very firm prices notwithstanding the absence of pressing consuming requirements.

Barks

Black Haw.—Reports from primary market points fail to suggest the accumulation of a stock even reasonably near to normal during the months ahead. Prices reported from the country are relatively high.

Cottonroot.—If labor can be persuaded to labor when this item becomes available in the primary market, shortage is likely to be avoided, but there is grave doubt that such will be the case at the source.

Sassafras.—Select bark at 70c. to 75c. per pound was a more expensive article that was not readily obtainable in any quarter at this time.

White Pine.—No surplus stocks on spot now and in most quarters prices appear to be virtually nominal until such time as collections shall have accumulated in the primary market.

Wild Cherry.—The spot market remained undersupplied with prompt delivery bark, but there is reason to hope successfully that collections will gain in the primary market.

Beans

Vanilla.—Goods which are believed to have left the primary market for Bourbon beans, but the route to the spot will be devious and there is little upon which to base an estimate of the probable time of arrival in this country. Local dealers were of the opinion that some small lots may have reached some ports recently but the bulk of the goods bought to come forward is still far away from these shores and the passage here will, it is believed, involve transshipment of the consignments. Meanwhile there is not much Bourbon vanilla unsold on this market. And there is no surplus of Mexican beans here either.

Market Trends

Prices Advanced

Drugs

Arnica flowers, 15c. per lb.
Sassafras bark, select, 7c. per lb.

Other Articles

None

Prices Reduced

Drugs

Lycopodium, 25c. per lb.
Tragacanth gum, No. 1 ribbon, 25c. per lb.

Other Articles

Celery seed, Indian, ½c. per lb.
Fenugreek seed, domestic, 1c. per lb.
Ginger root, Cochin, bleached, 1c. per lb.
Laurel leaves, Cyprus, 2c. per lb.
Portuguese, 8c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
261.7	261.9	261.9	256.5

Berries

Cubeb.—There are anxious buyers of this article in the market for any material that might be discovered, but regular sources of supply appear to have cleared all holdings.

Juniper.—Collection of the domestic crop has gotten under way but faces difficulties, the main one of which is the scarcity of labor to gather the berries now ready for collection. At the moment, the future total of supplies does not seem to indicate the eventual presence of a substantial reserve in the hands of the collectors.

Flowers

Arnica.—Scarcity was reported to be acute and prices were higher at $3.40 to $3.60 per pound in the few directions believed to hold a modicum of supply.

Chamomile.—A fair stock exists on this market but the surplus is far from large in most quarters. Demand was moderate.

Clove.—Outlook for collection has not improved much but dealers hope eventually to secure a moderate reserve for consumer needs.

Elder.—The advance of Spring brings nearer the flowering time of the elder bush and local dealers hope that sufficient labor will be attracted to the collection of flowers to create a fair reservoir of stocks. At the moment, very little material is held.

Gums

Arabic.—The market has stiffened, particularly on spot. So-called speculators have apparently withdrawn from operations, possibly with an eye to profiting by the recent stiffening of spot values. Regular importers say that steamer trouble with the source is growing. Thus far this year, it is probable that not more than three arabic-bearing boats have reached here and the present disposition of commercial cargo lines makes it more and more difficult to get ships for loading at the source. Considerable gum has been bought at the source but no ships to bring it forward are in sight.

Karaya.—The market is stronger here and advancing in India where consumption by the textile industry has risen substantially. Stocks here are limited. The shipping situation is not so acute as it is in the case of arabic. Imports totaled 737 bags.

Tragacanth.—Stocks of ribbon tragacanth have increased substantially. Recent arrivals have increased stocks to the extent that some estimate present holdings of high cost gum to be equal to two or three year needs. Prices have been reduced to the basis of $4.50 to $4.75 per pound for strictly No. 1 ribbon gum.

Herbs and Leaves

Belladonna.—Stabilized in price and moving in volume equal to the consuming requirements over a considerable period of time.

Laurel.—Competition in laurel was keener, prices for Cyprus material

For current prices see alphabetical listing beginning on page 9.

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dropping to 32c. to 33c. per pound while the Turkish was down to 34c. to 35c.

Lobelia.—Little is carried by any seller and to a considerable extent the market is likely to remain virtually nominal until new crop grows and is collected.

Peppermint.—The soup manufacturers are showing pronounced interest in an article that is practically extinct—the grade of merchandise formerly imported.

Miscellaneous

Balm of Gilead.—With stocks gaining slowly but steadily, the market continues to display an easing tendency on new crop goods.

Corn Silk.—Not much demand at the moment but the market holds firm under the influence of stocks declared to be conservative in size.

Lycopodium.—Limited activity has led some holders to talk about the possibility of making sales around $4.75 per pound.

Nux Vomica.—Some reports have gone so far as to declare that production of derivatives has virtually stopped. New production is under consideration in one quarter.

Roots

Arrow.—Stocks are short and signs do not point to an early replenishment along liberal lines.

Blood.—Attempts to buy in the country rarely result in success. No offerings being made, nor are any potential prices being generally quoted.

Golden Seal.—The new growing season opens up with unsold stocks probably the lowest in years. Cultivation was neglected when prices were so much lower than the at present virtually nominal market.

Serpentaria. — Collection outlook generally considered to be adverse despite the very high prices at which root has been sold over the past year.

Tumeric.—Some powdered merchandise was available at 18c. per pound.

Seeds

Celery.—Lack of sustaining demand has induced more competition and spot prices on Indian seed were down to 21½c. to 22c. per pound last week.

Coriander.—Eager buyers of shipment seed now in North Africa continued to await a meeting of minds within the French Committee for National Liberation and the United States Government.

Fenugreek.—Some domestic seed was quoted as available at 15½c. to 16c. per pound. All attempts to buy under in North Africa with shipment being even reasonably certain have failed.

Mustard.—Montana continued to report lack of needed rains. Other growing sections report difficulty in getting farmers to plant a contract acreage.

Spices

Clove.—Prices generally steady for the time being. Not much activity.

—*Continued on page 62*

Copley Field Production Head for Penick Co.

S. B. Penick & Co., New York, has appointed J. Walker Copley its field production manager for American crude drugs. W. W. Bell, head of the domestic crude drug division of the company, initiated the development in 1942 of belladonna production in this country and with the services of Mr. Copley as field superintendent produced adequate supplies for all needs.

The Penick company, largest producer of domestic drugs, has now assigned Mr. Copley to the management and coordination of its field organization for producing botanicals and allied products of domestic origin. He will have charge of the company's drug farms and will superintend the gathering of wild drug plants, through the collection depots of the company located in various sections of the country, to alleviate the present desperate shortage of supplies.

Mr. Copley, a native of Virginia, has had wide experience in agriculture work, having for many years been associated with the Barrett Division of the Allied Chemical & Dye Corporation.

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Essential Oils, Other Aromatics

Considerable price activity in the market for essential oils last week included an Office of Price Administration specific dollars and cents price ceiling on cedarleaf and spruce oils, effective April 24. Other changes were more or less the result of fluctuating conditions in the fields of demand and competition, changes that resulted in somewhat lower quotations on sweet almond, apricot kernel, bay, cardamom, Ceylon citronella, Russian geranium, Mexican lignaloe wood oils. Higher prices ruled on clove and cedarwood.

When OPA set ceilings on cedarleaf and spruce oils, it added those articles to peppermint and spearmint oils for which it had previously established specific price ceilings. OPA is understood to have other ceilings under consideration. Spruce oil and oil of hemlock in the past have been by some considered to be identical items from a sales standpoint; the price was identical in practically all quarters and a delivery of either was considered proper practice. Under the present setup, it would appear that hemlock oil is left under the General Maximum Price Regulation while its companion, spruce oil, now has a price ceiling. Incidentally, OPA defines spruce oil as an oil obtained from the species of spruce known as *Picea*. Some comment in the trade last week was that since spruce oil is now ceiled for consumers at $2.65 to $3.34 per pound, and since hemlock was about $1.25 a pound in March, 1942, dealers in the future would be selling spruce oil and transactions in hemlock oil were due to disappear. Which oil would be delivered was a subject not discussed.

Interest in peppermint has now swung from price to production. The acreage is now being planted, but it is too early to discover what effect the new and higher price ceilings may have on farmers' plantings. Availability of labor is a factor bound to play a very important role this year. Since no rise in spearmint prices was made by OPA, the attitude of the trade toward probable production this year was not tinged with optimism.

Market Trends

Prices Advanced

Clove, 5c. per lb.
Cedarleaf, 95c. per lb.
Cedarwood, 5c. per lb.
Cinnamon, bark oil, $1 per lb.

Prices Reduced

Almond, sweet, 10c. per lb.
Apricot kernel, 2c. per lb.
Bay, 10c. per lb.
Cardamom, $1 per lb.
Citronella, Ceylon, 5c. per lb.
Geranium, Russian, $1 per lb.
Lignaloe, Mexican, 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
265.4	263.7	259.7	245.3

Essential Oils

Almond.—Prices were lowered to $1.60 to $1.75 per pound for sweet oil, stressing once more the more favorable turn of prices for that article during the past several weeks.

Apricot.—Kernel oil was lower in one quarter at 54c. per pound but the range continued to 60c. according to seller. The market appeared to be more competitive than it was recently.

Bay.—More competition established West Indian oil at $1.45 to $1.65 per pound and Puerto Ricanian at $1.55 to $1.75 with demand reported moderate at either end of the range.

Cajeput.—Numerous former sellers reported no stocks and at the best it appeared as though the article were in virtually nominal position so far as the market was concerned in its broader aspects.

Cardamom.—Slightly closer quotations were noted, the range being $24 per pound as an inside figure with sellers views ranging as high as $34 as to seller.

Cedarleaf.—The Office of Price Administration established a specific ceiling at $2.65 to $3.34 per pound, the price to prevail depending on the quantity packaged in a single container and being effective on April 24. The same order forbid producers from charging more than $2.25 per pound. No provision was made for passing on the increase in prices beyond the dealer level, since, according to the OPA, "the increased costs to industrial users may be absorbed without hardship, often more easily than if substitutes were to be used."

Cedarwood.—The market had been reported as getting tighter and reflection of the supply situation was to be found in spot prices being as high as 80c. to $1 per pound in some quarters.

Cinnamon.—Bark oil seemed lowest at $36 per pound and the market was firm. Leaf oil ranged rather widely according to seller.

Citronella.—Ceylon oil was back at 95c. to $1 per pound as competition pressed rather more actively in some spot quarters. The supply seemed adequate.

Clove.—The market has turned into a stable affair with figures finally being set firmly on the basis of $1.60 to $1.65 per pound and demand being well supplied on that basis.

Eucalyptus.—Most quarters report nothing in stock. In most respects, the market is a nominal affair at the present time because of a lack of normal distributed supplies and the impossibility of getting an increase in primary market shipments.

Geranium.—Some oil from certain primary markets has possibly started for the United States but via a route that makes probable arrival date here highly uncertain. If the goods have started—and it is not definitely certain they have—they will have to be transhipped at a foreign port several thousands of miles from this country before they are stowed on a ship destined to come here. Russian oil on spot was quoted at the lower price of $15.50 per pound. A recent arrival of 16 drums of geranium oil was a shipment that was sent from the Belgian Congo to London and from there to here.

Ginger.—The price position has widened. Recently the market was uniformly quoted at $20 per pound. At the present time as high as $22 is being asked.

Hemlock.—Although this oil is often delivered for spruce oil, and vice versa, and although in most quarters prices for each were usually identical, the OPA price ceiling order on spruce oil made no mention of hemlock oil and its trade position with reference to spruce.

Lemon.—The comparatively tight position as to spot supplies was unrelieved, and hence the market position was one of substantial strength, although it was also one of stability so far as prices were concerned. Demand was very good. The only reports concerning Italy, a natural and normal source for lemon oil, was a despatch to the effect that United States troops were finding lemons to be an excellent combat weapon, which at least suggests that Italian lemon trees are still producing fruit, which could also mean that oil is being made.

Nutmeg.—The leading producers of this article offered no stocks or quotations last week. Nor did distributors appear to hold much if any stock.

Pennyroyal.—The major suppliers failed to offer or price either the domestic or the imported oil. Spain is the normal source for imported goods.

Peppermint.—With the price ceiling matter finally settled—probably not to everyone's satisfaction, but still established by OPA for the 1944 crop—the interest now swings from prices at which the crop may be sold to the planting of the crop and its progress. Planting is now afoot, and it is too early to get a line on the probable acreage to be cultivated in 1944, but the controlling factor this year would seem to be the availability of labor or its lack. Weather conditions will then come in for an important part, and the factor of insect infestation will figure in the final crop results. Meanwhile, there is not much peppermint oil available on this market now.

Spearmint.—Surveys for spot prices turn up an amazing number of instances in which the record is "no oil in stock and none offered from the source." OPA has not provided a price stimulus to production of this article.

Spruce.—OPA sets ceiling of $2.65

For current prices see alphabetical listing beginning on page 9.

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to $3.34 per pound on spruce oil which is made from the *Picea* species. Delivery of oil made from hemlock would seem to be barred.

Wormseed.—Most of the leading suppliers of former years have none to offer. Nor has OPA moved in the direction of dollars-and-cents price ceilings as a stimulus to a larger production of this vermifuge.

Aromatic Chemicals

Anethol.—Definitely on the firm side and encountering an excellent consuming request.

Benzaldehyde.—It is not clear that new production will mean a major increase in available supplies. However, numerous middlemen are pressing production, while the largest producer still reports a supply below general requirements and a large need that comes directly for benzaldehyde as a product directly necessary to the war program.

Benzyl Compounds.—The supply was still comparatively light, and consumer requirements were being met mainly in part in most instances.

Ethyl Vanillin.—In excellent demand and not in too ample supply.

Menthol.—Establishment of a dollars-and-cents price ceiling to govern importers' purchases and another to cover sales to consumers has ended for the time being the uncertainty surrounding this article for weeks on end. However, it remains to be demonstrated that Brazil will sell at prices which permit purchases and sales by importers and distributors here within the new ceiling limitations.

Botanical Drugs

—*Continued from page 60*

Ginger.—Bleached Cochin root reported lower at 25½c. to 26c. per pound. Other varieties lack quotable change.

Nutmegs.—Open market activity generally light. There would be an excellent market for distillation nutmegs if stocks were available at a "right" price—said price to be one which would permit distillers to make oil to sell consumers around $4.50 per pound. Imports totaled 2,973 bags.

Pepper.—Mombassa chillies were higher and in lower supply at 23c. to 24c. per pound. No further developments were reported in the injunction proceedings brought by prominent trade factors against government agencies attempting to commandeer stocks of black pepper. Stocks, March 21, 205,918 bags in New York warehouses reporting to the New York Produce Exchange.

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Petroleum Derivatives

A further shifting of the scenes of scarcities in petroleum derivatives, from the East coast to the Midwest areas, has occurred within the past week.

After undergoing the distressing experiences of critical shortages of fuel oils, kerosene, petroleum solvents, special naphthas and liquefied gases during the concluding months of the Winter season, the North Atlantic seaboard, including even the farthest reaches of New England, has latterly been in receipt of sufficient stocks of these products through greatly amplified shipments from the Southwest and Middle West, to satisfy all its current needs, which, in the case of the heating oils, have diminished seasonally, with the waning of cold-weather requirements.

But, with the consequent draining of inventories in the Central West to meet the urgently pressed demands of the East Coast, supplies in that region have been lowered to meager proportions, without likelihood of substantial replenishment in the immediate future, inasmuch as the largest single movement of fuel oils and gasoline from the Southwest, accomplished through the "Little Inch" pipeline, continues to bypass the Midwest on its way to the East coast.

While the demand for heating oils in the Midwest has dwindled to almost as great an extent as it has in the East, the call for motor fuel has mounted to huge proportions in the Central West as Spring plowing and planting operations there are requiring enormously increased quantities of low-octane gasoline, which are proving difficult to get, while recourse to such substitutes as stove naphtha and liquefied petroleum gases is barred.

Solvents and Diluents

Aromatic Solvents.—There has been some diminution in the placing of orders for both allocated and unallocated grades of these high solvency aromatic naphthas within the past week, due to the fact that stocks in consumers' hands have latterly been built up to fairly sizable proportions, thereby obviating the need for as extensive buying as hitherto. Processors are obtaining enough petroleum xylene to meet their base requirements but are operating to capacity in only a few instances. Market holding steady.

Cleaners' Naphtha.—Movement expanding seasonally with both military and civilian cleaners' accounts well represented. Prices well maintained.

Lacquer Diluent.—Varnish and lacquer industry still making sizable purchases. Tone strong.

Mineral Spirit. — Buying interest continues keen with prices firmly held.

Rubber Solvent.—Heavy shipments still going forward to manufacturers of synthetic rubber. No change in price structure.

Stoddard Solvent.—A brisk call continues to be noted for this dry cleaning agent, with supplies in the Midwest area proving inadequate for all current requirements. Civilian buying now outstripping the military.

V. M. & P. Naphtha.—A sizable buying movement is still under way in this solvent, with the normal paint trade's operations running well ahead of the takings of war production interests.

Markets at Other Centers

Chicago, Apr. 21.—Petroleum solvents have continued subject to considerable market interest while offerings have shown no appreciable expansion. Buyers are revealing the presence of continuing unfilled needs.

Los Angeles, Apr. 21.—Petroleum refiners report no vital changes in the supply or demand picture for petroleum solvents on the Pacific coast. The call continues generally steady and there appear to be no stocks accruing.

Lighter Fractions

Butane.—Despite the recent efforts of PAW to conserve as much of this liquefied gas as possible for home-heating and legitimate industrial plant uses, by prohibiting its employment in special carburetor equipment as a motor fuel, the quantity of this gas available for the former uses is still relatively small, inasmuch as the needs of 100-octane gasoline and synthetic rubber makers have prior call on all supplies and most of the current production is being devoted to meeting their requirements. Prices well maintained.

Heptane.—Continues to move in increasing volume. Market steady.

Hexane.—Buying interest constantly mounting. Tone firm.

Octanes.—Still in keen request. Price structure strong.

Pentanes.—Moving more rapidly and in steadily expanding amounts daily. Market stable.

Propane.—Market structure and conditions in this gas identical with those noted in butane, above.

Petrolatums and Waxes

Amorphous Waxes.—Buying interest continues sizable. Supplies ample in all descriptions save the high standard process types, for which prices are well maintained. Market stable.

Paraffin.—Crude scale continues in fair supply, although stocks are still being steadily reduced by exports which, while not quite as large as recently, are still fairly sizable, despite FEA's insistence upon individual licenses or release certificates, and its refusal to permit any shipments abroad under general licenses except when consigned to Canada. All refined grades are in scanty supply, with low melting points heading the shortage. Prices strongly held throughout.

Petrolatums.—Continue in fair demand, with a steady movement being recorded in U.S.P., veterinarian and technical grades. Tone firm.

White Mineral Oil.—Both U.S.P. and technical types continue in moderate call with prices well maintained.

Fuels and Lubricants

Crude Petroleum.—The daily average of domestic production for the week ended April 15 has shown an increase of 16,050 barrels over the previous week's to 4,432,150 barrels, but this was 9,350 barrels less than PAW's April production rate recommendation of 4,441,500 barrels daily. Crude oil runs to stills for that week showed an increase from 4,354,000 barrels to 4,447,000 barrels.

For the month of May, PAW has recommended a production rate of 4,818,500 barrels daily. This represents a net increase of 93,500 barrels daily over the rate certified for April production.

Slight additional upward adjustments of ceiling prices for crude oil in five comparatively new oilfields have been ordered by the Office of Price Administration for the purpose of raising these maximum prices to levels existing for comparable crude oils produced in surrounding areas or to compensate producers for having hitherto been forced to sell at figures which were too low to cover the cost of production.

The latest of these ceiling price markups range from 5 cents to 10 cents per barrel. They consist of a 10c. advance in the prices of oil from the Anse La Butte field, in St. Martin parish, Louisiana; the same increase in the prices for oil from the Stephens field in the counties of Nevada, Quachita and Columbia, Arkansas; an 8c. boost for the oil from the Beverly Hills field, in California, and increases of 5c. each in the prices of oil from Iron Creek field, Natrona county, and the G.P. Lease, in Carbon county, both in Wyoming.

Fuel Oil.—Nationwide supplies of light fuel oil have increased 83,000 barrels to 30,561,000 barrels, and those of heavy fuel oil, 166,000 to 51,238,000 barrels in the week ended April 15.

Gasoline.—The urgency of the steadily mounting farm demand for low-grade gasoline, required for the operation of tractors and other mechanized equipment used in Spring plowing and planting operations, has brought forth an appeal by the PAW marketing director addressed to original suppliers in the Eastern area, designated as district 1, to make certain that this motor fuel for farm use will be provided, for meeting the rationed demand of customers presenting "E" and "R" coupons. This appeal has pointed out that farm demands are of foremost importance, second only to those of the military.

Nationwide stocks of gasoline have shown an increase for the week ended April 15 of 678,000 barrels to 88,778,000 barrels.

For current prices see alphabetical listing beginning on page 9.

Market Trends

Prices Advanced

Crude petroleum, Anse La Butte field, La., 10c. per bbl.; Stephen field, Ark., 10c. per bbl.; Beverly Hills field, Cal., 5c. per bbl.; Iron Creek field, Wyo., 5c. per bbl.

Prices Reduced

None

Mexican Oil Properties Seizure Payment Made

The Mexican government has awarded $16,201,688 plus interest for March, 1938 to the Mexican Petroleum Company (California) and the Huasteca Petroleum Company as compensation for properties seized in 1938. Interest figured to September, 1947, will amount to $3,471,592, bringing the total amount to be paid to the two companies to $19,673,260. Of this amount $8,639,898 has already been received. The balance is to be paid in four equal annual installments, beginning September 30 this year.

Shell Names Norcross And Johnson Vice-Presidents

Hiram Norcross, manager of the New York office of Shell Development Company, and A. Johnson, head of the engineering department, have been elected vice-presidents of the company.

Crude Oil Refinery To Be Built in Louisville

Construction of a crude oil refinery in Louisville, Ky., is planned by W. W. Plowman, J. E. Cruise, of Salem, Ind., and J. C. Potter, of Dallas, Tex., who have similar refineries in Indiana.

Asphalt Institute Elects

F. V. Widger, of the Texas Company has been elected chairman of the executive committee of the Asphalt Institute. The five vice-presidents elected, with their respective regional jurisdiction, were as follows:—

(1) Atlantic Seaboard-Southern, F. R. Field; (2) Ohio-Great Lakes, A. M. Maxwell; (3) Mid-West, H. B. Pullar; (4) Gulf, D. D. Williamson; (5) Pacific Coast, H. R. Pauley.

Kotzebue Wins Hanlon Award

M. H. Kotzebue, president of the Gasoline Plant Construction Company, Houston, Texas, has been awarded the greatly coveted Hanlon award, granted annually by the Natural Gasoline Association of America, with headquarters in Tulsa, Okla., for the most notable outstanding contribution to the natural gasoline industry during the preceding year.

Ace Laboratories has moved its office to 1614-18 Coutant avenue, Lakewood, Ohio.

World Oil Policy

—Continued from page 3

leum Industry War Council; W. Alton Jones of Cities Service; Ralph T. Zook, president of the Independent Petroleum Association; J. Frank Drake of the Gulf Oil Company, and George A. Hill, jr., of the Houston Oil Company.

The congressional study of the international oil situation is being made by a special committee of the senate under the chairmanship of Senator Francis Maloney of Connecticut, who let it be known that the committee strongly endorsed the request of the American oil industry that it have direct contact with the conference, and also served notice on the State Department that congress, and not the administration alone, will determine the foreign oil policy of the United States.

In a statement following the appearance in executive session of F. A. Davies, president of the Arabian-American Oil Company, one of the proposed Petroleum Reserves Corporation pipelines in Saudi Arabia, Senator Maloney emphasized that his is a policy committee and that its essential function is to make recommendations for the formulation of a national policy in which, particularly with its international aspects, the senate has a direct responsibility.

He said that the function of his committee goes beyond the mere formalizing by legislation of a policy previously determined by others and gave assurances that any policy developed by Congress would be crystalized only after the industry itself had been given full opportunity to present its views and submit its suggestions.

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GOOD REBUILT FMC EQUIPMENT

2—W. & P. 100 gal. working cap Jacketed Mixers, fishtail blades, double gear, power tilt.

16—Oliver No. 100 vert. pressure filters, 25"x48".

3—Shriver 36" Filter Presses with 52 Wood Pl. & Fr.; 2 eye; washing.

1—Shriver 24" Alum. Press, 34 chamber.

2—Silex Lined Pebble Mills, 250 & 800 gal.

3—Copper Steam Jacketed (85 lb.) Kettles, 500 gal. and 600 gal.; others.

4—Alum. I.S.S. 40 gal. St. Jktd. Kettles.

6—Ross & Kent 3 roll water cooled Mills, 6"x14", 12"x30", and 16"x40".

2—Thropp Rubber Mills, 36" and 50".

2—Day 15 gal. Pony Mixers; others.

2—Glass Lined Jacketed Tanks 750 gal., one with agitating Brine Coil.

1—Devine Horizontal Vacuum Dryer or Fumigator; 6'4"x15', complete.

2—Rotex Sifters; 40"x84" and 54"x 120".

1—Glass Lined Sectional Vacuum Still, about 3,000 gal.

1—Buffalo Heavy Duty Cast Iron Jacketed and Agitated Kettle, 1,500 gal.

7—Cast Steel Closed Vacuum Stills; 1,000 gal. Jacketed and Agitated.

7—Heavy Copper Tanks, 1,000 gal. Vertical, closed with manhole.

1—Mikro No. 4—24" Pulverizer with 75 H.P. Motor.

1—Valley Cast Iron 24"x24" Jacketed and Agitated Autoclave.

4—Colloid Mills and Homogenizers; Premier, Eppenbach, Manton Gaulin.

1—Kelly No. 450 Filter; 4'x10'; 450 sq. ft. Filtering area.

1—Sweetland No. 9 Filter Press; 24 leaves; 4" centers; 242 sq. ft.

2—York 10x10 Ammonia Compressors with 100 H.P. Synchronous Motors, now installed.

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MICRO PULVERIZER, one, type No. 1-SH (8-in. diameter), motor driven, complete with feed drive motor, ammeter and switches, on stand, in first-class condition. BOX 978, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—One jacketed steel ball mill, 500-gallon capacity. BOX 982, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 938, Oil, Paint and Drug Reporter.

TANK, glass lined, capacity 125-150 gallons; lining A-1 condition; tank with spigot 2-3 in., equipped with motor-driven wooden agitator. Submit nearest offerings these specifications, prices, etc. P. O. Box 85, Rutherford, N. J.

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BENZOIC ACID Technical, 5,000 lbs. monthly available, assay 97% guaranteed. For particulars address BOX 969, Oil, Paint and Drug Reporter.

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FOR SALE—1,500 lbs. pentalyn A, 5,400 lbs. hydrowax, 2,000 lbs. diglycolaurate. Eastman Kodak Co., Kodak Park, Rochester, N. Y.

FOR SALE—Prime quality oil of dill, 3,000 lbs., for immediate shipment at producers' market price. Sample sent on request. Write Dill Producer, 1926 N. E. Mason street, Portland, Oregon.

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From the plant of NATIONAL SUGAR REFINING CO. at EDGEWATER, N. J.—Principal items:

40—Centrifugals, 40" dia. bronze and steel baskets, flat bottoms with unloaders, and self discharging—American Tool, Roberts & Hepworth—AC motor driven, DC motor driven.

6—Sweetland Filters, No. 12, each with 72 leaves, copper and iron.

9—Vacuum Pans, 10' to 14', cast iron and copper, with all accessories.

8—Union Special Bag Sewing Machines, with Conveyors and Motors, for cotton bags up to 10 lbs.

Miscellaneous—Filter Presses, Rotary Granulators, Crystallizers, Pumps, Grinders, Screens, Conveyors, etc.

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KETTLES

1—Steel steam jack. 1100 gal.
2—Aluminum, closed, jacketed, agitated, 350 and 275 gal.
2—Stainless steel, jacketed, agitated, 200 gal.
1—Copper, jacketed 500 gal.
1—Aluminum, open, jacketed 110 gal.; 3-20 gal.
1—Stainless Steel, jacketed, 90 gal.
2—Glass lined jacketed Evaporating Pans or Crystalizers, 10' dia.
5—Steel, closed Tanks or Stills, copper coil, 600 gal.
1—Cast iron jacketed agit. closed Kettle, 400.
3—Copper jacketed agit. closed kettles, 325 gal.
20—Jacketed Kettles, 20 gal. to 2000 gal.

Liquidation

Equipment of a Grease Plant 554 S. Front St., Elizabeth, N. J.

6—Vertical Steel Tanks, up to 5000 gal.; 2—Open Steel Agitated Tanks, 3000 gal. and 1650 gal.; 3—Rectangular Steel Tanks, 2400, 3700, 6000 gal.; 2—Steel Jack. Agit. Kettle, 900 and 2400 gal.

Ask for Details

Special Items from Stock

EXPELLERS

6—Anderson No. 1 OIL EXPELLERS, with feeders, tempering apparatus, 15 HP AC motors—rebuilt.

2—70" x 30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.
1—5' x 12' Vacuum DRUM DRYER, Buffalo Foundry complete with accessories.
10—ROTARY VACUUM DRYERS; 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 30" x 12'.
3—ATMOSPHERIC DRUM DRYERS 4' x 12'.
1—Buffalo Vac. 32" x 72" ATMOSPHERIC DOUBLE DRUM DRYER, m.d. complete.
1—Buflovac 32" x 90" ATMOSPHERIC DOUBLE DRUM DRYER, complete.
1—RBF 28" x 60" Atmo. double drum DRYER, complete MD.
3—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZERS or VACUUM PAN DRYERS.
9—Direct heat ROTARY DRYERS 4' x 30', 5' x 30', 70" x 30'.
1—P & S. 9-Truck ATMOSPHERIC DRYER, 1,562 sq. ft. tray surface.
1—Proctor & Schwartz 5-section, 27-truck Atmospheric DRYER, excellent condition.
2—PEBBLE MILLS, 1—4' x 4' Burrstone Lined; 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.
3—CRUSHING ROLLS, 40 x 16" Colorado Iron Works; 36" x 16" Sturtevant.

ROLLER MILL

1—Day 5-roll, high speed ROLLER MILL, 12"x32", with roller bearings and motor drive.

6—DRY POWDER MIXERS, various sizes.
2—W. & P. MIXERS, sizes 21-X-DB jacketed 625 gal.: 1—size 15, 100 gal. jacketed: 1—size 14, 50 gal. jacketed; other sizes.
1—4'x5' Iron OLIVER CONTINUOUS FILTERS; 1—Iron 5'x4'.
7—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.
6—RAYMOND PULVERIZERS, 4-Roll Low Side, No. 3, No. 1, No. 0000.
1—Day No. 30 Imperial Jack. MIXER, 75 gal.
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3—2" Wilfley SAND PUMPS.
10—RUBBER LINED Rectangular TANKS; 7—500 gal.; 2—200 gal.; 1—150 gal.
29—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
1—PNEUM. SCALE CARTON PACKAGING UNIT.
2—Batteries of two each TYLER HUMMER SCREENS 4'x5', single deck, other sizes.
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1—36" dia. Cast Iron COLUMN, 23" high.
1—355 c.f.m. AIR COMPRESSOR, with A.C. Motor.
1—Devine duplex VACUUM PUMP 16 x 16 x 12.
2—STOKES steam heated WATER STILLS, 5, 10 gal. per hour.
1—Day 5-gal. jacketed MOGUL MIXER.
9—Hardinge BALL MILLS, 3' x 8", 3' x 36", 6' x 36"; also 6' x 12' Rod Mill.
5—ROTARY KILNS, 4' x 30', 6' x 60', 8' x 125', 8' x 135'.
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4—Granberg LIQUID METERS.
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2—Jones Automatic CARTONERS.
2—Anderson PACKAGING UNITS.
1—K. K. 18-spout Rotary Vac. FILLER.
1—O. and J. Rotary LABELER, m. d.
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3—Raymond "Imp" PULVERIZERS, 1—No. 30; 2—No. 40; with 3/60/220 v. motors, complete.

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4—Centrifugals, 20" to 30".
5—Tolhurst 32" to 48" Centrifugals, steel and bronze baskets.
1—Devine Condenser, 200 sq. ft.
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75' of 9" Screw Conveyor.
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3—Buflovak 6' Atm. Crystallizers.
1—Buflovak 5'x10' Rotary Vacuum Dryer.
2—Scott 4'x8' Mixers.
1—Buffalo 34"x20" Vacuum Drum Dryer.
1—Vulcan 8'x15' Rotary Dryer.
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3—International Disc Filters.
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2—U. S. Colloid Mills.
1—Union Viscolizer, 100 gph.
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2—Gruendler Hammer Mills.
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2—Jeffrey Hammer Mills, 36"x24", 24"x18".
1—Robinson Attrition Mill, 30", motor driven, 2—40 HP motors.
4—Kent, Ross 18", 24" Cage Mills.
6—Crushing Rolls, 5"x8", 16"x18", 25"x15", 36"x15".
2—Marcy No. 6414 Ball Mills.
1—Hardinge 2'x8" Ball Mill.
10—Abbe, Patterson Pebble Mills, 30 to 200 gal.
6—Jar Mills, 1 to 6 gals.
5—Roller Mills, 9"x24", 12"x36".
4—Tyler Screens, 3'x5', 4'x5'.
1—Sturtevant Screen, 3'x8'.
18—Copper Jktd. Kettles, 5 to 75 gal.
7—Copper Jacketed, Agitated Kettles, 20 to 600 gal.
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1—Day 100 gal. Jacketed Mixer.
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1—Shriver Diaphragm Pump, 45 gmp., 5 HP motor.
1—Hydraulic Press, 24"x15".
1—Hydraulic Press, 24" dia.
1—Dopp Soap Crutcher, 1500 lb.
2—50 gal. Copper Vacuum Pans.
1—Stokes Vacuum Pan, 100 gal.
10—110 gal. Copper Tanks.
1—1250 gal. Copper Tank.
2—1750 gal. Lead Lined Tanks.
121'—6" Lead Pipe and Valves.
2—Glens Falls Sulphur Burners.
1—Revolvator, 1800 lb.
1—500 gal. Jktd. Agitated Still, 24"x24", column and condenser.
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2—650 gal. Steel Jacketed, Agitated Kettles, Condensers, Receivers.
1—600 gal. Steel Jacketed, Agitated Kettle, motor driven agitator.
5—Jacketed, Closed, Steel Receivers, 45, 80, 100 and 200 gal.
1—375 gal. Closed, Steel Jacketed Tank, with 2 HP worm drive.
1—Tolhurst 40" Self-balancing Type Centrifugal, bottom discharge.
1—300 gal. Jacketed, Agtd. Kettle.
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1—200 gal. Conical Jacketed Tank.
1—500 gal. Conical Bottom Tank.
1—110 gal. Blow Case on rubber tired wagon
5—Receivers, 100 to 200 gal.
1—Devine 10"x10" Vac. Pump.

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Two Copper Jacketed Kettles, 600 gallons.
Stokes 18"x12" Vacuum Shelf Dryer.
Buffalo Vacuum Drum Dryer, 24"x20".
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Shriver 12" Closed Delivery Presses, Lead and C.I.
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1—Raymond No. 10 Imp Mill, complete.
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3—No. 6000 and No. 0 Raymond Mills.
1—Shriver 18" Lead Plate and Frame Filter Press.
6—Autoclaves, 200 to 1500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1000 gals.
1—Dopp 50 gal. Jacketed, Agit. Kettle.
1—Procter Automatic Conveyor Dryer.
5—20, 35 and 150 gal. Closed, Agitated, Jacketed Copper Kettles.
14—50 gal. Vert. Steel Tanks with Nettco Drives.
2—Single Punch Preform Tablet Machines, ½" and ¾".
4—Ball & Jewell Rotary Cutters.
2—Alsop Vac. Bottle Fillers, M.D.
3—Homogenizers, 5 HP, 7½ HP, and 10 HP.
2—400 Ton Buckeye Hydr. Oil Presses, 16" Ram.
4—Watson-Stillman Hydr. Pumps.
1—Oliver Rotary Filter, 36"x8", motor driven.
1—Oliver Rotary Filter, 6'x6'.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
1—50 gal. Day Type Double Arm Jack. Heavy Duty Tilting Mixer.
1—Faust 150 gal. Jack. Spiral Mixer.
2—75 and 1500 gal. lead lined closed Kettles.
1—Coombs Type CR ½ HP Gyratory Sifter.
1—Schutz-O'Neill No. 2 Gyrator Sifter.
2—Robinson 20" M.D. Attrition Mills.
1—Howe Barrel & Bag Packer.
2—4000 gal. Vert. Acid Proof Tanks.
5—Iron & Wood Filter Presses, 8", 12", 24", 27" & 30".
1—Nash No. 3 Vacuum Pump.
1—No. 2 Oliver 14"x8" Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14"x5".
2—Worthington 12"x12"x12" Vacuum Pumps.
3—DeLaval Multiple Clarifiers, Nos. 300, 502 & 600, motor driven.
2—Ross 8 & 15 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8"x12".
2—5 Roll water cooled 16"x40" Steel Roller Mills.
2—Ross 3 Roll Mills, 12"x30", and 16"x40".
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20", & 7½"x30" Rolls.
10—Pebble & Jar Mills, Lab. to 200 gal.
1—Tolhurst 40" Centrifugal.
8—Stone Mills, 10" to 32".
8—Lead & Paste Mixers, 50 to 185 gals.
5—Varnish Kettles, 100 to 200 gals.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
10—Glass Lined & Steel Tanks up to 4000 gals.
1—Schutz-O'Neill No. 1 Sugar Pulverizer.
2—Schutz-O'Neill 16" & 20" Pulverizers.
2—Double Roll Crushers.
3—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 3 HP.
20—Rotary, Centrif. & Triplex Pumps.

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Positions Wanted

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Corporation Earnings

American Agricultural Chemical Company

	1944	1943
9 months, March 30	$1,053,751	$1,280,756
Per share	1.68	2.04

Atlantic Refining Company

3 months, March 31	4,159,000	1,334,000
Per share	1.51	.45

Cliffs Corporation

3 months, March 31	181,826	177,220
Per share	.23	.22

Dow Chemical Company

9 months, February 29	5,766,083	7,351,633
Per share	4.33	5.70

Flintkote Company

3 months, March 25	317,883	244,224
Per share	.39	.28

Badanes Heads Drug Unit For Greater New York Fund

Bernard H. Badanes, vice-president of McKesson & Robbins, Inc., New York, has been named to head the drug industry's participation in the seventh annual charity drive of the Greater New York Fund.

Chicago Drug, Chemical Ass'n Spring Party May 20

The Chicago Drug and Chemical Association will hold its annual Spring party for members and their ladies in the Drake hotel, May 20.

McNamara in APC Post

OPD Washington Bureau

Appointment of Francis J. McNamara as Deputy Alien Property Custodian has been announced by James E. Markham, custodian. Mr. McNamara, who was special assistant to the Attorney-General in charge of the Alien Property Division until his transfer to the APC upon its organization in March, 1942, has been in charge of the Division of Estates, Trusts and Property of APC.

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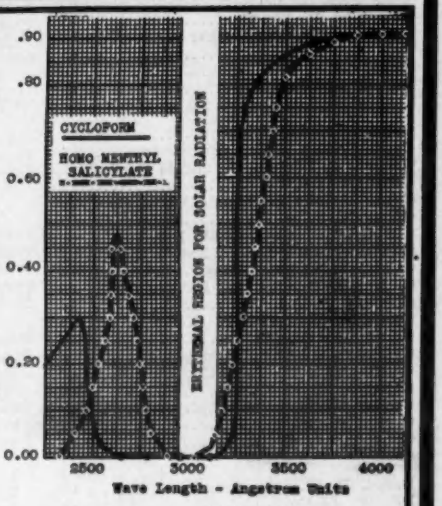

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